

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022123\
 Data File : VD075374.D
 Acq On : 21 Feb 2023 11:11
 Operator : KP/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

02/22/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Feb 21 14:07:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 14:06:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	56705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	97290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	87749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	40515	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	3061	5.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.240%#
35) Dibromofluoromethane	7.804	113	3031	5.230	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.460%#
50) Toluene-d8	10.275	98	11233	5.379	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.760%#
62) 4-Bromofluorobenzene	12.575	95	3656	5.201	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.400%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	3331	5.242	ug/l	85
3) Chloromethane	2.146	50	5353	5.803	ug/l	92
4) Vinyl Chloride	2.281	62	5207	5.278	ug/l	93
5) Bromomethane	2.693	94	2995	5.377	ug/l	95
6) Chloroethane	2.834	64	3997	5.866	ug/l	96
7) Trichlorofluoromethane	3.181	101	6055	5.226	ug/l	97
8) Diethyl Ether	3.593	74	1142	4.210	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.969	101	3468	5.250	ug/l	99
10) Methyl Iodide	4.169	142	1647	7.621	ug/l #	73
11) Tert butyl alcohol	5.040	59	1355m	8.562	ug/l	
12) 1,1-Dichloroethene	3.946	96	3053	4.961	ug/l	96
13) Acrolein	3.793	56	387m	Below Cal		
14) Allyl chloride	4.563	41	4603	4.729	ug/l	91
15) Acrylonitrile	5.258	53	3089	23.746	ug/l	96
16) Acetone	4.022	43	3596	24.406	ug/l	92
17) Carbon Disulfide	4.269	76	11410	5.262	ug/l #	94
18) Methyl Acetate	4.558	43	2563	5.602	ug/l #	72
19) Methyl tert-butyl Ether	5.322	73	6033	4.822	ug/l #	89
20) Methylene Chloride	4.810	84	6098	2.690	ug/l #	79
21) trans-1,2-Dichloroethene	5.310	96	3444	4.969	ug/l #	82
22) Diisopropyl ether	6.228	45	8889	4.789	ug/l #	95
23) Vinyl Acetate	6.157	43	11671	2.787	ug/l	95
24) 1,1-Dichloroethane	6.105	63	6474	5.297	ug/l #	81
25) 2-Butanone	7.081	43	4829	26.445	ug/l #	90
26) 2,2-Dichloropropane	7.075	77	5527	5.189	ug/l	89
27) cis-1,2-Dichloroethene	7.081	96	3793	5.211	ug/l	97
28) Bromochloromethane	7.422	49	1919	3.735	ug/l #	97
29) Tetrahydrofuran	7.452	42	2475	24.001	ug/l	91
30) Chloroform	7.599	83	6286	5.128	ug/l	88
31) Cyclohexane	7.875	56	6671	5.768	ug/l #	82
32) 1,1,1-Trichloroethane	7.793	97	5585	4.934	ug/l	93
36) 1,1-Dichloropropene	8.004	75	5105	4.927	ug/l	97
37) Ethyl Acetate	7.175	43	1870	4.583	ug/l #	80
38) Carbon Tetrachloride	7.993	117	4951	4.735	ug/l	92
39) Methylcyclohexane	9.275	83	5868	4.809	ug/l	91
40) Benzene	8.251	78	14418	5.080	ug/l	100

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Quant Time: Feb 21 14:07:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 14:06:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	1118	4.227	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	3915	4.929	ug/l	92
43) Isopropyl Acetate	8.369	43	3519	4.613	ug/l #	93
44) Trichloroethene	9.028	130	3803	4.996	ug/l	89
45) 1,2-Dichloropropane	9.304	63	3410	4.928	ug/l #	85
46) Dibromomethane	9.393	93	1909	5.061	ug/l	94
47) Bromodichloromethane	9.581	83	4786	4.986	ug/l #	91
48) Methyl methacrylate	9.381	41	1689	4.394	ug/l	92
49) 1,4-Dioxane	9.398	88	213	100.586	ug/l #	67
51) 4-Methyl-2-Pentanone	10.157	43	8366	21.620	ug/l	98
52) Toluene	10.334	92	8398	4.811	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	3358	4.262	ug/l #	85
54) cis-1,3-Dichloropropene	10.016	75	4179	4.368	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	2475	5.066	ug/l #	92
56) Ethyl methacrylate	10.598	69	2215	4.081	ug/l	98
57) 1,3-Dichloropropane	10.881	76	4179	4.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	2211	18.321	ug/l	99
59) 2-Hexanone	10.928	43	5437	19.907	ug/l	97
60) Dibromochloromethane	11.081	129	3233	5.204	ug/l	84
61) 1,2-Dibromoethane	11.181	107	2206	4.790	ug/l	98
64) Tetrachloroethene	10.810	164	3143	4.985	ug/l	85
65) Chlorobenzene	11.610	112	9572	5.213	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	3397	5.100	ug/l	98
67) Ethyl Benzene	11.687	91	14808	4.427	ug/l	100
68) m/p-Xylenes	11.798	106	11892	9.112	ug/l	99
69) o-Xylene	12.122	106	5750	4.819	ug/l	90
70) Styrene	12.134	104	8674	4.345	ug/l	97
71) Bromoform	12.304	173	1577	4.618	ug/l #	88
73) Isopropylbenzene	12.422	105	14565	4.775	ug/l	99
74) N-amyl acetate	12.239	43	2776	4.232	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	2608	5.088	ug/l #	97
76) 1,2,3-Trichloropropane	12.728	75	3155	8.848	ug/l #	100
77) Bromobenzene	12.704	156	3587	5.212	ug/l	97
78) n-propylbenzene	12.769	91	17649	4.615	ug/l	99
79) 2-Chlorotoluene	12.851	91	10140	4.915	ug/l	98
80) 1,3,5-Trimethylbenzene	12.910	105	11222	4.429	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.475	75	388	8.158	ug/l #	71
82) 4-Chlorotoluene	12.951	91	10748	4.944	ug/l	100
83) tert-Butylbenzene	13.169	119	9744	4.436	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	11128	4.448	ug/l	95
85) sec-Butylbenzene	13.351	105	16092	4.777	ug/l	99
86) p-Isopropyltoluene	13.469	119	11995	4.363	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	7038	4.930	ug/l	96
88) 1,4-Dichlorobenzene	13.545	146	7225	5.193	ug/l	93
89) n-Butylbenzene	13.792	91	12591	4.682	ug/l	99
90) Hexachloroethane	14.057	117	2805	5.103	ug/l	98
91) 1,2-Dichlorobenzene	13.839	146	6219	5.236	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	346	4.779	ug/l	92
93) 1,2,4-Trichlorobenzene	15.110	180	3225	4.441	ug/l	89
94) Hexachlorobutadiene	15.210	225	2309	5.558	ug/l	91
95) Naphthalene	15.339	128	5707	4.441	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	2871	4.657	ug/l	93

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Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Krupa
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02/22/2023
Supervised By :Mahesh
Dadoda

02/22/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

