

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060123\
 Data File : VD076303.D
 Acq On : 01 Jun 2023 18:06
 Operator : KP/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/02/2023
 Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 05:35:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 05:32:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	186719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	338655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	316386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	161804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	20510	11.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.540%#		
35) Dibromofluoromethane	7.804	113	22477	10.055	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.100%#		
50) Toluene-d8	10.263	98	85960	9.973	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.940%#		
62) 4-Bromofluorobenzene	12.575	95	22617	9.408	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	18542	10.903	ug/l	98
3) Chloromethane	2.146	50	46900	10.105	ug/l	95
4) Vinyl Chloride	2.275	62	49499	11.031	ug/l	97
5) Bromomethane	2.675	94	26363	10.747	ug/l	100
6) Chloroethane	2.822	64	32562	9.974	ug/l	99
7) Trichlorofluoromethane	3.158	101	34016	11.050	ug/l #	83
8) Diethyl Ether	3.587	74	10486	9.601	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.952	101	21903	10.935	ug/l	98
10) Methyl Iodide	4.152	142	23673	10.110	ug/l	99
11) Tert butyl alcohol	5.052	59	6265m	54.081	ug/l	
12) 1,1-Dichloroethene	3.928	96	21484	10.329	ug/l	88
13) Acrolein	3.799	56	7670	50.315	ug/l	99
14) Allyl chloride	4.552	41	21651	10.506	ug/l	98
15) Acrylonitrile	5.252	53	23166	51.285	ug/l	98
16) Acetone	4.022	43	18390	49.922	ug/l	92
17) Carbon Disulfide	4.252	76	75603	10.917	ug/l	97
18) Methyl Acetate	4.558	43	16007	10.444	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	40019	9.535	ug/l #	87
20) Methylene Chloride	4.793	84	37630	9.246	ug/l	98
21) trans-1,2-Dichloroethene	5.305	96	25435	10.524	ug/l	97
22) Diisopropyl ether	6.210	45	48965	10.011	ug/l #	91
23) Vinyl Acetate	6.152	43	111170m	48.250	ug/l	
24) 1,1-Dichloroethane	6.105	63	41726	10.888	ug/l	98
25) 2-Butanone	7.087	43	24549	51.702	ug/l #	86
26) 2,2-Dichloropropane	7.069	77	34017	11.234	ug/l	96
27) cis-1,2-Dichloroethene	7.069	96	27302	10.310	ug/l	98
28) Bromochloromethane	7.422	49	17790	12.065	ug/l	92
29) Tetrahydrofuran	7.440	42	13827	47.391	ug/l	99
30) Chloroform	7.587	83	43673	10.832	ug/l	96
31) Cyclohexane	7.869	56	30164	10.769	ug/l #	86
32) 1,1,1-Trichloroethane	7.787	97	33508	10.636	ug/l	97
36) 1,1-Dichloropropene	8.010	75	30725	9.939	ug/l	100
37) Ethyl Acetate	7.169	43	11827	10.089	ug/l	97
38) Carbon Tetrachloride	7.987	117	25959	9.751	ug/l	94
39) Methylcyclohexane	9.275	83	32093	9.213	ug/l	95
40) Benzene	8.246	78	96968	9.882	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	6118m	10.345	ug/l	
42) 1,2-Dichloroethane	8.316	62	24159	10.131	ug/l	95
43) Isopropyl Acetate	8.363	43	19833	9.396	ug/l	98
44) Trichloroethene	9.022	130	26329	9.710	ug/l	90
45) 1,2-Dichloropropane	9.304	63	23621	9.973	ug/l	99
46) Dibromomethane	9.393	93	14090	10.137	ug/l	96
47) Bromodichloromethane	9.581	83	32554	9.997	ug/l	98
48) Methyl methacrylate	9.381	41	7602	8.389	ug/l #	93
49) 1,4-Dioxane	9.393	88	2991	177.732	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	51255	45.899	ug/l	95
52) Toluene	10.334	92	56838	9.465	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	28344	9.308	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	34094	9.478	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	19967	10.091	ug/l	96
56) Ethyl methacrylate	10.598	69	17476	10.037	ug/l	96
57) 1,3-Dichloropropane	10.875	76	31173	9.989	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	29689	48.613	ug/l	97
59) 2-Hexanone	10.922	43	33122	44.564	ug/l	94
60) Dibromochloromethane	11.075	129	22232	9.804	ug/l	93
61) 1,2-Dibromoethane	11.175	107	18296	10.008	ug/l	97
64) Tetrachloroethene	10.804	164	20907	9.275	ug/l	95
65) Chlorobenzene	11.610	112	66527	9.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	23906	10.158	ug/l	96
67) Ethyl Benzene	11.687	91	101356	9.327	ug/l	96
68) m/p-Xylenes	11.792	106	82232	18.292	ug/l	97
69) o-Xylene	12.122	106	37129	9.002	ug/l	99
70) Styrene	12.134	104	63643	8.941	ug/l	99
71) Bromoform	12.298	173	12794	9.597	ug/l #	100
73) Isopropylbenzene	12.422	105	89418	9.073	ug/l	99
74) N-amyl acetate	12.234	43	17068	8.862	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	22056	9.811	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	15047m	10.310	ug/l	
77) Bromobenzene	12.698	156	25343	9.301	ug/l	95
78) n-propylbenzene	12.763	91	113382	9.216	ug/l	99
79) 2-Chlorotoluene	12.845	91	64853	9.450	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	74384	9.067	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	6225	9.810	ug/l	99
82) 4-Chlorotoluene	12.945	91	71199	9.677	ug/l	99
83) tert-Butylbenzene	13.169	119	61862	8.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	74677	8.919	ug/l	98
85) sec-Butylbenzene	13.345	105	97314	9.188	ug/l	95
86) p-Isopropyltoluene	13.463	119	79606	8.987	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	54507	9.882	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	56103	10.016	ug/l	97
89) n-Butylbenzene	13.786	91	73075	8.982	ug/l	98
90) Hexachloroethane	14.051	117	17916	10.002	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	47825	9.856	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2650	9.116	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	24037	8.656	ug/l	98
94) Hexachlorobutadiene	15.204	225	12644	9.714	ug/l	97
95) Naphthalene	15.333	128	46885	10.762	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	22610	8.869	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

