

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013024\
 Data File : VD078270.D
 Acq On : 30 Jan 2024 10:16
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

01/31/2024

Supervised By : Mahesh
 Dadoda

01/31/2024

Quant Time: Jan 31 00:31:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 00:23:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	106833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	200465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	183459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	82767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7403	5.598	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.200%#
35) Dibromofluoromethane	7.816	113	7555	5.294	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.580%#
50) Toluene-d8	10.269	98	25241	4.671	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.340%#
62) 4-Bromofluorobenzene	12.575	95	7737	4.781	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.560%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	7351	2.711	ug/l	85
3) Chloromethane	2.152	50	12385	5.573	ug/l	100
4) Vinyl Chloride	2.287	62	15437	5.266	ug/l	91
5) Bromomethane	2.699	94	10065	5.671	ug/l	93
6) Chloroethane	2.840	64	10674	5.272	ug/l	96
7) Trichlorofluoromethane	3.175	101	13096	5.277	ug/l	97
8) Diethyl Ether	3.599	74	3996	5.443	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.987	101	8733	5.733	ug/l #	20
10) Methyl Iodide	4.170	142	5697	4.112	ug/l #	83
11) Tert butyl alcohol	5.052	59	2340m	27.739	ug/l	
12) 1,1-Dichloroethene	3.940	96	8008	5.449	ug/l #	87
13) Acrolein	3.817	56	3668	31.029	ug/l	93
14) Allyl chloride	4.570	41	9904m	5.111	ug/l	
15) Acrylonitrile	5.252	53	8947	27.569	ug/l #	91
16) Acetone	4.034	43	10569	20.583	ug/l #	80
17) Carbon Disulfide	4.275	76	26341	5.309	ug/l #	85
18) Methyl Acetate	4.575	43	3144	4.460	ug/l #	86
19) Methyl tert-butyl Ether	5.317	73	14937	4.887	ug/l #	80
20) Methylene Chloride	4.817	84	11832	4.820	ug/l #	93
21) trans-1,2-Dichloroethene	5.317	96	8646	5.203	ug/l	92
22) Diisopropyl ether	6.222	45	19207	4.658	ug/l	90
23) Vinyl Acetate	6.169	43	61667	24.514	ug/l	98
24) 1,1-Dichloroethane	6.111	63	15236	5.338	ug/l #	90
25) 2-Butanone	7.093	43	11966	27.153	ug/l #	84
26) 2,2-Dichloropropane	7.081	77	12191	5.228	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	9313	5.057	ug/l	94
28) Bromochloromethane	7.434	49	5732	5.630	ug/l #	70
29) Tetrahydrofuran	7.452	42	5860	24.856	ug/l #	85
30) Chloroform	7.593	83	15484	5.305	ug/l	99
31) Cyclohexane	7.881	56	14569	5.882	ug/l	84
32) 1,1,1-Trichloroethane	7.793	97	13352	5.309	ug/l	96
36) 1,1-Dichloropropene	8.016	75	11356	4.798	ug/l	95
37) Ethyl Acetate	7.175	43	5022	5.513	ug/l #	65
38) Carbon Tetrachloride	7.993	117	11340	4.873	ug/l #	64
39) Methylcyclohexane	9.275	83	13019	4.653	ug/l	93
40) Benzene	8.258	78	33529	4.856	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	2440	4.983	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	9521	5.316	ug/l	90
43) Isopropyl Acetate	8.369	43	7891	4.832	ug/l #	69
44) Trichloroethene	9.034	130	8453	4.985	ug/l	81
45) 1,2-Dichloropropane	9.310	63	8191	4.852	ug/l	97
46) Dibromomethane	9.399	93	4838	5.165	ug/l #	82
47) Bromodichloromethane	9.587	83	12026	5.218	ug/l #	92
48) Methyl methacrylate	9.381	41	4054	5.195	ug/l #	63
49) 1,4-Dioxane	9.399	88	971	92.405	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	21213	24.011	ug/l #	83
52) Toluene	10.334	92	18985	4.533	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	10214	4.745	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	11929	4.681	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	5611	4.590	ug/l	94
56) Ethyl methacrylate	10.599	69	5751	4.148	ug/l #	77
57) 1,3-Dichloropropane	10.881	76	9973	4.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	14053	22.287	ug/l	90
59) 2-Hexanone	10.922	43	15965	23.994	ug/l	85
60) Dibromochloromethane	11.075	129	6595	4.648	ug/l	91
61) 1,2-Dibromoethane	11.175	107	5660	4.904	ug/l	94
64) Tetrachloroethene	10.816	164	6356	4.967	ug/l #	91
65) Chlorobenzene	11.604	112	23261	5.300	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	7953	5.089	ug/l	93
67) Ethyl Benzene	11.681	91	35647	4.484	ug/l #	86
68) m/p-Xylenes	11.793	106	27861	9.109	ug/l	96
69) o-Xylene	12.122	106	11965	4.257	ug/l	87
70) Styrene	12.134	104	19686	4.101	ug/l	91
71) Bromoform	12.299	173	3500	4.548	ug/l #	93
73) Isopropylbenzene	12.422	105	31729	4.531	ug/l	92
74) N-amyl acetate	12.234	43	6451	4.454	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	6995	5.172	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	4694m	5.426	ug/l	
77) Bromobenzene	12.698	156	7643	4.960	ug/l	83
78) n-propylbenzene	12.763	91	39475	4.525	ug/l	93
79) 2-Chlorotoluene	12.846	91	22514	4.821	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	24852	4.362	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	2166	4.980	ug/l	87
82) 4-Chlorotoluene	12.946	91	23900	4.801	ug/l	93
83) tert-Butylbenzene	13.163	119	21308	4.383	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	25764	4.470	ug/l	93
85) sec-Butylbenzene	13.346	105	34873	4.571	ug/l	93
86) p-Isopropyltoluene	13.457	119	26191	4.191	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	14515	4.534	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	15499	4.893	ug/l	88
89) n-Butylbenzene	13.787	91	27657	4.542	ug/l	96
90) Hexachloroethane	14.051	117	6035	4.835	ug/l	76
91) 1,2-Dichlorobenzene	13.828	146	13606	4.968	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1063	5.607	ug/l	89
93) 1,2,4-Trichlorobenzene	15.098	180	7304	4.610	ug/l	94
94) Hexachlorobutadiene	15.198	225	3678	4.738	ug/l	96
95) Naphthalene	15.334	128	14104	4.465	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	6676	4.786	ug/l	99

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

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

