

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050124\
 Data File : VD078856.D
 Acq On : 01 May 2024 11:24
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/02/2024
 Supervised By :Semsettin Yesilyurt 05/02/2024

Quant Time: May 02 07:37:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:30:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	108075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	192807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	184642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6419	5.351	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.700%#		
35) Dibromofluoromethane	7.810	113	6812	4.812	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.620%#		
50) Toluene-d8	10.269	98	24777	4.561	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.120%#		
62) 4-Bromofluorobenzene	12.569	95	6981	4.490	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	8.980%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	7362	6.026	ug/l	89
3) Chloromethane	2.152	50	11507	6.337	ug/l	90
4) Vinyl Chloride	2.281	62	15679	5.948	ug/l	99
5) Bromomethane	2.693	94	17021	6.472	ug/l	93
6) Chloroethane	2.846	64	12760	5.876	ug/l	98
7) Trichlorofluoromethane	3.175	101	13647	6.362	ug/l #	76
8) Diethyl Ether	3.599	74	3073	5.254	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	7585	5.885	ug/l	94
10) Methyl Iodide	4.164	142	4643	4.752	ug/l #	94
11) Tert butyl alcohol	5.046	59	1386m	25.223	ug/l	
12) 1,1-Dichloroethene	3.934	96	7774	6.084	ug/l	88
13) Acrolein	3.805	56	3063	28.861	ug/l	100
14) Allyl chloride	4.564	41	6705	5.227	ug/l	94
15) Acrylonitrile	5.252	53	6625	28.453	ug/l #	86
16) Acetone	4.028	43	4649	25.989	ug/l #	69
17) Carbon Disulfide	4.269	76	25159	5.954	ug/l	97
18) Methyl Acetate	4.564	43	2678	6.039	ug/l #	66
19) Methyl tert-butyl Ether	5.311	73	11958	4.945	ug/l	97
20) Methylene Chloride	4.805	84	11796	6.668	ug/l #	93
21) trans-1,2-Dichloroethene	5.316	96	8167	5.700	ug/l	97
22) Diisopropyl ether	6.216	45	13823	4.873	ug/l #	88
23) Vinyl Acetate	6.152	43	40753m	23.832	ug/l	
24) 1,1-Dichloroethane	6.105	63	13878	6.077	ug/l	96
25) 2-Butanone	7.093	43	6549	26.105	ug/l	94
26) 2,2-Dichloropropane	7.081	77	10767	5.588	ug/l	99
27) cis-1,2-Dichloroethene	7.093	96	9085	5.551	ug/l	97
28) Bromochloromethane	7.434	49	5082	5.915	ug/l #	99
29) Tetrahydrofuran	7.440	42	3700	25.205	ug/l #	75
30) Chloroform	7.599	83	15375	6.034	ug/l	95
31) Cyclohexane	7.881	56	11371	6.385	ug/l #	89
32) 1,1,1-Trichloroethane	7.787	97	12547	5.838	ug/l	95
36) 1,1-Dichloropropene	8.010	75	9445	5.187	ug/l	97
37) Ethyl Acetate	7.175	43	3388	5.625	ug/l #	79
38) Carbon Tetrachloride	7.987	117	11133	5.312	ug/l	90
39) Methylcyclohexane	9.275	83	10296	4.589	ug/l	91
40) Benzene	8.252	78	32354	5.426	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1658	5.575	ug/l #	75
42) 1,2-Dichloroethane	8.322	62	7661	5.442	ug/l	96
43) Isopropyl Acetate	8.357	43	5131	4.658	ug/l #	55
44) Trichloroethene	9.022	130	7754	5.162	ug/l	74
45) 1,2-Dichloropropane	9.304	63	6896	5.273	ug/l	89
46) Dibromomethane	9.393	93	4487	5.389	ug/l	93
47) Bromodichloromethane	9.587	83	11883	5.764	ug/l #	92
48) Methyl methacrylate	9.375	41	2308	4.470	ug/l #	89
49) 1,4-Dioxane	9.393	88	580	76.340	ug/l #	68
51) 4-Methyl-2-Pentanone	10.157	43	14089	23.882	ug/l	98
52) Toluene	10.334	92	18073	4.825	ug/l	93
53) t-1,3-Dichloropropene	10.557	75	8733	5.052	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	10826	5.185	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	5870	5.436	ug/l #	89
56) Ethyl methacrylate	10.599	69	4700	4.236	ug/l	95
57) 1,3-Dichloropropane	10.881	76	9404	5.507	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.875	63	11366	23.459	ug/l	93
59) 2-Hexanone	10.922	43	10085	24.144	ug/l	90
60) Dibromochloromethane	11.075	129	7336	5.012	ug/l	95
61) 1,2-Dibromoethane	11.175	107	5202	5.194	ug/l	99
64) Tetrachloroethene	10.810	164	6264	4.974	ug/l	93
65) Chlorobenzene	11.610	112	21618	5.102	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.675	131	7963	5.374	ug/l	97
67) Ethyl Benzene	11.681	91	32171	4.641	ug/l	93
68) m/p-Xylenes	11.793	106	23973	8.542	ug/l	100
69) o-Xylene	12.122	106	11709	4.564	ug/l	95
70) Styrene	12.134	104	18804	4.168	ug/l	97
71) Bromoform	12.298	173	4170	5.197	ug/l #	99
73) Isopropylbenzene	12.422	105	27088	4.696	ug/l	100
74) N-amyl acetate	12.234	43	4940	5.149	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	6332	5.859	ug/l	87
76) 1,2,3-Trichloropropane	12.722	75	3983m	5.590	ug/l	
77) Bromobenzene	12.704	156	7473	5.043	ug/l	87
78) n-propylbenzene	12.763	91	33593	4.806	ug/l	99
79) 2-Chlorotoluene	12.851	91	19790	5.072	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	21695	4.530	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	2006	5.506	ug/l	93
82) 4-Chlorotoluene	12.945	91	20720	4.980	ug/l	99
83) tert-Butylbenzene	13.163	119	17773	4.311	ug/l	90
84) 1,2,4-Trimethylbenzene	13.210	105	21912	4.470	ug/l	91
85) sec-Butylbenzene	13.345	105	29874	4.772	ug/l	98
86) p-Isopropyltoluene	13.457	119	23217	4.279	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	15765	5.080	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	17065	5.555	ug/l	94
89) n-Butylbenzene	13.787	91	22438	4.639	ug/l	95
90) Hexachloroethane	14.051	117	6668	5.745	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	14029	5.282	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	848	5.764	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	6702	4.542	ug/l	96
94) Hexachlorobutadiene	15.204	225	3746	4.956	ug/l	96
95) Naphthalene	15.328	128	11771	4.428	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	6645	5.084	ug/l	98

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

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