

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112122\
 Data File : VD075000.D
 Acq On : 21 Nov 2022 13:33
 Operator : VA/SY
 Sample : VD1121SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/22/2022
 Supervised By :Mahesh Dadoda 11/25/2022

Quant Time: Nov 22 00:17:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	133681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	232300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	212264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	101706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	54260	62.576	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.160%			
35) Dibromofluoromethane	7.804	113	68412	47.775	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.540%			
50) Toluene-d8	10.269	98	245549	52.056	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.120%			
62) 4-Bromofluorobenzene	12.575	95	82677	57.081	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	22593	23.984	ug/l	92
3) Chloromethane	2.146	50	40823	27.449	ug/l	97
4) Vinyl Chloride	2.281	62	44549	23.766	ug/l	99
5) Bromomethane	2.675	94	34771	24.192	ug/l	90
6) Chloroethane	2.828	64	33573	24.390	ug/l	94
7) Trichlorofluoromethane	3.169	101	51003	23.881	ug/l	94
8) Diethyl Ether	3.587	74	15819	25.834	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	32544	23.878	ug/l	96
10) Methyl Iodide	4.158	142	26882	19.772	ug/l	99
11) Tert butyl alcohol	5.057	59	10559	157.531	ug/l	97
12) 1,1-Dichloroethene	3.934	96	31228	23.523	ug/l	95
13) Acrolein	3.793	56	6696	170.709	ug/l	97
14) Allyl chloride	4.558	41	35503	25.002	ug/l	99
15) Acrylonitrile	5.252	53	31188	130.332	ug/l	98
16) Acetone	4.022	43	29267	132.619	ug/l	98
17) Carbon Disulfide	4.263	76	85201	22.560	ug/l	99
18) Methyl Acetate	4.563	43	17194	28.974	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	66318	24.951	ug/l	99
20) Methylene Chloride	4.799	84	62611	27.436	ug/l	91
21) trans-1,2-Dichloroethene	5.310	96	37127	24.662	ug/l	99
22) Diisopropyl ether	6.216	45	83068	26.245	ug/l	98
23) Vinyl Acetate	6.157	43	182502	134.347	ug/l	99
24) 1,1-Dichloroethane	6.110	63	60643	25.657	ug/l	99
25) 2-Butanone	7.087	43	38595	133.739	ug/l	98
26) 2,2-Dichloropropane	7.081	77	55408	24.944	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	42563	25.484	ug/l	99
28) Bromochloromethane	7.422	49	19152	25.116	ug/l	96
29) Tetrahydrofuran	7.446	42	20749	129.894	ug/l	93
30) Chloroform	7.593	83	55604	21.481	ug/l	95
31) Cyclohexane	7.881	56	37747	19.368	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	46621	20.898	ug/l	96
36) 1,1-Dichloropropene	8.010	75	38567	18.326	ug/l	100
37) Ethyl Acetate	7.169	43	16779	23.760	ug/l	99
38) Carbon Tetrachloride	7.993	117	35591	17.966	ug/l	98
39) Methylcyclohexane	9.275	83	42626	18.906	ug/l	94
40) Benzene	8.251	78	123143	20.349	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	7610	20.318	ug/l	# 88
42) 1,2-Dichloroethane	8.322	62	29623	20.455	ug/l	98
43) Isopropyl Acetate	8.357	43	26177	21.046	ug/l	97
44) Trichloroethene	9.028	130	33883	21.193	ug/l	92
45) 1,2-Dichloropropane	9.304	63	30129	22.158	ug/l	98
46) Dibromomethane	9.393	93	16539	21.719	ug/l	94
47) Bromodichloromethane	9.587	83	42121	22.288	ug/l	95
48) Methyl methacrylate	9.387	41	11341	20.584	ug/l	97
49) 1,4-Dioxane	9.387	88	3225	431.602	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	67497	113.833	ug/l	97
52) Toluene	10.334	92	79613	22.003	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	37393	22.398	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	46319	22.624	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	24053	22.717	ug/l	97
56) Ethyl methacrylate	10.598	69	25308	21.448	ug/l	98
57) 1,3-Dichloropropane	10.881	76	38323	22.513	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	48856	120.546	ug/l	97
59) 2-Hexanone	10.922	43	48246	116.718	ug/l	97
60) Dibromochloromethane	11.075	129	28174	22.430	ug/l	97
61) 1,2-Dibromoethane	11.181	107	21519	21.731	ug/l	96
64) Tetrachloroethene	10.810	164	28185	19.804	ug/l	97
65) Chlorobenzene	11.610	112	86021	20.716	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	29654	20.382	ug/l	96
67) Ethyl Benzene	11.687	91	149790	20.705	ug/l	96
68) m/p-Xylenes	11.792	106	119413	41.400	ug/l	99
69) o-Xylene	12.122	106	54729	20.623	ug/l	98
70) Styrene	12.134	104	93902	20.643	ug/l	98
71) Bromoform	12.304	173	15963	21.200	ug/l	# 97
73) Isopropylbenzene	12.422	105	140784	20.111	ug/l	100
74) N-amyl acetate	12.234	43	23854	20.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	26269	21.214	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	14450m	16.987	ug/l	
77) Bromobenzene	12.704	156	34492	21.055	ug/l	94
78) n-propylbenzene	12.763	91	178042	20.691	ug/l	98
79) 2-Chlorotoluene	12.851	91	98735	21.295	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	120227	20.612	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	6986	20.203	ug/l	99
82) 4-Chlorotoluene	12.945	91	102813	21.294	ug/l	97
83) tert-Butylbenzene	13.169	119	101320	20.019	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	120713	20.925	ug/l	99
85) sec-Butylbenzene	13.345	105	158745	20.620	ug/l	100
86) p-Isopropyltoluene	13.463	119	131870	20.600	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	70317	20.634	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	69654	20.594	ug/l	98
89) n-Butylbenzene	13.786	91	121589	20.458	ug/l	97
90) Hexachloroethane	14.057	117	24027	20.956	ug/l	88
91) 1,2-Dichlorobenzene	13.833	146	61491	21.219	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3459	20.261	ug/l	86
93) 1,2,4-Trichlorobenzene	15.104	180	35070	19.881	ug/l	97
94) Hexachlorobutadiene	15.204	225	18218	20.022	ug/l	99
95) Naphthalene	15.333	128	65776	20.090	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	31844	20.875	ug/l	99

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

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