

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074665.D
 Acq On : 28 Oct 2022 12:17
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/31/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 29 02:13:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	130394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	218611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	82026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	53321	48.449	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.900%		
35) Dibromofluoromethane	7.805	113	62723	46.987	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.980%		
50) Toluene-d8	10.269	98	260079	50.662	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.320%		
62) 4-Bromofluorobenzene	12.569	95	67328	47.755	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	28287	25.156	ug/l	93
3) Chloromethane	2.146	50	34242	19.578	ug/l	93
4) Vinyl Chloride	2.281	62	39773	21.350	ug/l	95
5) Bromomethane	2.681	94	34640	24.409	ug/l	97
6) Chloroethane	2.834	64	26808	21.137	ug/l	98
7) Trichlorofluoromethane	3.175	101	47972	22.174	ug/l	91
8) Diethyl Ether	3.587	74	12206	18.990	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.964	101	29216	21.793	ug/l	100
10) Methyl Iodide	4.164	142	32623	21.547	ug/l	99
11) Tert butyl alcohol	5.034	59	15162	130.841	ug/l #	89
12) 1,1-Dichloroethene	3.934	96	29706	20.917	ug/l	93
13) Acrolein	3.793	56	10381	107.473	ug/l	97
14) Allyl chloride	4.564	41	30677	20.795	ug/l	99
15) Acrylonitrile	5.258	53	24494	99.788	ug/l	99
16) Acetone	4.028	43	20179	98.153	ug/l #	87
17) Carbon Disulfide	4.270	76	90236	20.930	ug/l	98
18) Methyl Acetate	4.564	43	13330	22.468	ug/l	97
19) Methyl tert-butyl Ether	5.317	73	53347	19.578	ug/l	98
20) Methylene Chloride	4.805	84	42039	15.218	ug/l	91
21) trans-1,2-Dichloroethene	5.305	96	33141	21.001	ug/l	84
22) Diisopropyl ether	6.222	45	62951	20.273	ug/l	98
23) Vinyl Acetate	6.158	43	129535m	107.319	ug/l	
24) 1,1-Dichloroethane	6.116	63	46988	20.099	ug/l	98
25) 2-Butanone	7.081	43	26983	97.273	ug/l	99
26) 2,2-Dichloropropane	7.075	77	43305	21.194	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	35028	20.411	ug/l	97
28) Bromochloromethane	7.428	49	15245	19.005	ug/l	100
29) Tetrahydrofuran	7.446	42	15625	94.248	ug/l	99
30) Chloroform	7.593	83	51642	20.533	ug/l	97
31) Cyclohexane	7.875	56	41122	20.387	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	45817	20.747	ug/l	99
36) 1,1-Dichloropropene	8.011	75	39749	20.899	ug/l	99
37) Ethyl Acetate	7.175	43	12824	21.098	ug/l	97
38) Carbon Tetrachloride	7.993	117	37900	21.444	ug/l	98
39) Methylcyclohexane	9.275	83	49164	21.134	ug/l	92
40) Benzene	8.252	78	117692	20.288	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	6537	20.850	ug/l #	94
42) 1,2-Dichloroethane	8.328	62	26270	19.232	ug/l	99
43) Isopropyl Acetate	8.358	43	22551	19.270	ug/l	99
44) Trichloroethene	9.028	130	34781	20.443	ug/l	100
45) 1,2-Dichloropropane	9.305	63	26075	20.157	ug/l #	87
46) Dibromomethane	9.393	93	14992	19.849	ug/l	99
47) Bromodichloromethane	9.581	83	36840	20.245	ug/l	99
48) Methyl methacrylate	9.381	41	11010	21.217	ug/l	90
49) 1,4-Dioxane	9.381	88	2979	370.116	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	57217	101.191	ug/l	96
52) Toluene	10.334	92	77463	21.328	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	32116	20.590	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	39795	20.018	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	21507	20.879	ug/l	97
56) Ethyl methacrylate	10.599	69	21794	19.229	ug/l	95
57) 1,3-Dichloropropane	10.875	76	33174	20.452	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	21391	96.761	ug/l	99
59) 2-Hexanone	10.922	43	39525	103.228	ug/l	97
60) Dibromochloromethane	11.075	129	25701	20.968	ug/l	100
61) 1,2-Dibromoethane	11.181	107	19286	20.044	ug/l	99
64) Tetrachloroethene	10.810	164	28515	21.477	ug/l	98
65) Chlorobenzene	11.604	112	74006	19.460	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	24704	19.257	ug/l	96
67) Ethyl Benzene	11.681	91	129208	19.666	ug/l	95
68) m/p-Xylenes	11.793	106	104418	40.258	ug/l	98
69) o-Xylene	12.122	106	48220	20.185	ug/l	95
70) Styrene	12.134	104	81314	20.217	ug/l	99
71) Bromoform	12.299	173	12601	19.454	ug/l #	94
73) Isopropylbenzene	12.422	105	126868	21.690	ug/l	99
74) N-amyl acetate	12.234	43	19274	20.918	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	20872	21.454	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	12693m	19.786	ug/l	
77) Bromobenzene	12.698	156	28909	20.685	ug/l	98
78) n-propylbenzene	12.763	91	152578	21.739	ug/l	99
79) 2-Chlorotoluene	12.846	91	83243	21.725	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	105075	21.626	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	5102	21.048	ug/l	100
82) 4-Chlorotoluene	12.946	91	85921	21.720	ug/l	98
83) tert-Butylbenzene	13.163	119	92173	21.378	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	104043	21.702	ug/l	100
85) sec-Butylbenzene	13.346	105	137073	21.662	ug/l	99
86) p-Isopropyltoluene	13.457	119	114683	21.200	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	60083	20.777	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	58043	20.365	ug/l	98
89) n-Butylbenzene	13.787	91	105540	21.541	ug/l	98
90) Hexachloroethane	14.051	117	20091	21.772	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	51351	20.940	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	2744	21.203	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	31903	20.270	ug/l	98
94) Hexachlorobutadiene	15.198	225	16079	20.021	ug/l	96
95) Naphthalene	15.328	128	57356	19.845	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	27527	20.316	ug/l	98

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

