

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074666.D
 Acq On : 28 Oct 2022 12:45
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 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 02:14:10 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	7.881	168	133446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	218906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	191860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	54326	48.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.460%		
35) Dibromofluoromethane	7.811	113	65886	49.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.580%		
50) Toluene-d8	10.269	98	266222	51.789	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.580%		
62) 4-Bromofluorobenzene	12.575	95	68838	48.760	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	28599	24.852	ug/l	91
3) Chloromethane	2.146	50	35306	19.759	ug/l	91
4) Vinyl Chloride	2.281	62	41340	21.684	ug/l	96
5) Bromomethane	2.681	94	35100	24.161	ug/l	96
6) Chloroethane	2.834	64	27534	21.213	ug/l	100
7) Trichlorofluoromethane	3.175	101	48273	21.803	ug/l	100
8) Diethyl Ether	3.587	74	12504	19.009	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.958	101	29344	21.388	ug/l	99
10) Methyl Iodide	4.164	142	33763	21.728	ug/l	99
11) Tert butyl alcohol	5.034	59	15624	132.558	ug/l #	88
12) 1,1-Dichloroethene	3.934	96	29891	20.566	ug/l	92
13) Acrolein	3.799	56	10587	107.086	ug/l	97
14) Allyl chloride	4.564	41	31546	20.895	ug/l	97
15) Acrylonitrile	5.246	53	24367	96.893	ug/l	99
16) Acetone	4.022	43	19488	91.886	ug/l	91
17) Carbon Disulfide	4.270	76	92083	20.870	ug/l	96
18) Methyl Acetate	4.564	43	13766	22.691	ug/l	97
19) Methyl tert-butyl Ether	5.317	73	54092	19.397	ug/l	98
20) Methylene Chloride	4.799	84	44865	16.566	ug/l	96
21) trans-1,2-Dichloroethene	5.317	96	33432	20.701	ug/l	88
22) Diisopropyl ether	6.216	45	63635	20.024	ug/l	99
23) Vinyl Acetate	6.158	43	136865	110.799	ug/l	95
24) 1,1-Dichloroethane	6.111	63	48552	20.293	ug/l	98
25) 2-Butanone	7.087	43	28055	98.959	ug/l	96
26) 2,2-Dichloropropane	7.075	77	44379	21.222	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	35055	19.959	ug/l	98
28) Bromochloromethane	7.428	49	15737	19.169	ug/l	99
29) Tetrahydrofuran	7.440	42	17076	100.887	ug/l	93
30) Chloroform	7.593	83	51631	20.059	ug/l	98
31) Cyclohexane	7.881	56	42726	20.697	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	46834	20.723	ug/l	98
36) 1,1-Dichloropropene	8.011	75	40138	21.075	ug/l	98
37) Ethyl Acetate	7.175	43	12785	21.005	ug/l	97
38) Carbon Tetrachloride	7.993	117	37139	20.985	ug/l	100
39) Methylcyclohexane	9.275	83	50576	21.711	ug/l	98
40) Benzene	8.252	78	119711	20.608	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7397	23.562	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	27680	20.237	ug/l	99
43) Isopropyl Acetate	8.363	43	22557	19.249	ug/l	98
44) Trichloroethene	9.028	130	33866	19.878	ug/l	97
45) 1,2-Dichloropropane	9.305	63	26177	20.208	ug/l	90
46) Dibromomethane	9.393	93	15011	19.847	ug/l	96
47) Bromodichloromethane	9.587	83	37243	20.439	ug/l	97
48) Methyl methacrylate	9.381	41	11633	22.387	ug/l	87
49) 1,4-Dioxane	9.387	88	3011	373.587	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	57018	100.704	ug/l	98
52) Toluene	10.334	92	77718	21.369	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	33138	21.216	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	40724	20.458	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	21656	20.995	ug/l	96
56) Ethyl methacrylate	10.599	69	23259	20.494	ug/l	98
57) 1,3-Dichloropropane	10.881	76	34353	21.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	25498	108.873	ug/l	99
59) 2-Hexanone	10.922	43	40041	104.435	ug/l	99
60) Dibromochloromethane	11.075	129	25218	20.546	ug/l	100
61) 1,2-Dibromoethane	11.181	107	20185	20.950	ug/l	97
64) Tetrachloroethene	10.810	164	30099	22.171	ug/l	91
65) Chlorobenzene	11.604	112	74748	19.223	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	24608	18.760	ug/l	96
67) Ethyl Benzene	11.681	91	130494	19.424	ug/l	98
68) m/p-Xylenes	11.793	106	105337	39.718	ug/l	98
69) o-Xylene	12.116	106	47539	19.462	ug/l	98
70) Styrene	12.134	104	81146	19.731	ug/l	99
71) Bromoform	12.293	173	12947	19.549	ug/l #	95
73) Isopropylbenzene	12.422	105	128846	21.728	ug/l	100
74) N-amyl acetate	12.234	43	19483	20.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	21120	21.414	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	13612m	20.929	ug/l	
77) Bromobenzene	12.698	156	29294	20.675	ug/l	99
78) n-propylbenzene	12.763	91	155157	21.806	ug/l	99
79) 2-Chlorotoluene	12.846	91	82562	21.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	105262	21.370	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	5525	22.483	ug/l	98
82) 4-Chlorotoluene	12.946	91	87418	21.797	ug/l	98
83) tert-Butylbenzene	13.163	119	87320	19.977	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	103377	21.270	ug/l	99
85) sec-Butylbenzene	13.340	105	139327	21.718	ug/l	98
86) p-Isopropyltoluene	13.457	119	116521	21.246	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	59788	20.394	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	59244	20.504	ug/l	97
89) n-Butylbenzene	13.787	91	106797	21.500	ug/l	99
90) Hexachloroethane	14.051	117	20786	22.219	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	51036	20.528	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2942	22.423	ug/l	88
93) 1,2,4-Trichlorobenzene	15.092	180	31906	19.996	ug/l	98
94) Hexachlorobutadiene	15.198	225	16459	20.215	ug/l	99
95) Naphthalene	15.328	128	58118	19.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	27071	19.708	ug/l	98

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

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