

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074608.D
 Acq On : 21 Oct 2022 11:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

10/24/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 21 23:09:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	85700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	138844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	125496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	54552	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	30554	46.697	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.400%
35) Dibromofluoromethane	7.805	113	37606	48.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.720%
50) Toluene-d8	10.269	98	136185	49.005	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.569	95	38742	48.398	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	31927	47.995	ug/l	98
3) Chloromethane	2.146	50	41692	46.298	ug/l	95
4) Vinyl Chloride	2.281	62	48651	48.855	ug/l	99
5) Bromomethane	2.693	94	35813	47.490	ug/l	96
6) Chloroethane	2.834	64	34231	49.997	ug/l	98
7) Trichlorofluoromethane	3.175	101	71802	50.868	ug/l	97
8) Diethyl Ether	3.593	74	20384	49.865	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	45999	50.533	ug/l	99
10) Methyl Iodide	4.164	142	52137	44.466	ug/l	100
11) Tert butyl alcohol	5.046	59	13574	199.743	ug/l	98
12) 1,1-Dichloroethene	3.934	96	44499	48.875	ug/l	89
13) Acrolein	3.793	56	22022	314.255	ug/l	96
14) Allyl chloride	4.569	41	48732	49.563	ug/l	98
15) Acrylonitrile	5.252	53	43244	258.841	ug/l	99
16) Acetone	4.022	43	31437	220.025	ug/l	97
17) Carbon Disulfide	4.269	76	105665	42.412	ug/l	96
18) Methyl Acetate	4.564	43	18633	48.277	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	92650	52.076	ug/l	95
20) Methylene Chloride	4.805	84	51540	46.179	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	49559	48.829	ug/l	91
22) Diisopropyl ether	6.216	45	105678	53.264	ug/l	92
23) Vinyl Acetate	6.152	43	241071m	277.855	ug/l	
24) 1,1-Dichloroethane	6.110	63	78920	51.251	ug/l	98
25) 2-Butanone	7.081	43	44406	232.420	ug/l	93
26) 2,2-Dichloropropane	7.075	77	73971	50.260	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	58099	51.610	ug/l	98
28) Bromochloromethane	7.422	49	23637	56.592	ug/l	98
29) Tetrahydrofuran	7.446	42	27059	259.665	ug/l	98
30) Chloroform	7.593	83	86931	52.465	ug/l	100
31) Cyclohexane	7.875	56	59766	45.472	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	78705	51.797	ug/l	98
36) 1,1-Dichloropropene	8.010	75	62041	49.740	ug/l	98
37) Ethyl Acetate	7.169	43	19745	50.174	ug/l	96
38) Carbon Tetrachloride	7.993	117	66222	54.219	ug/l	98
39) Methylcyclohexane	9.275	83	76404	51.267	ug/l	97
40) Benzene	8.252	78	192373	51.968	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	13034	61.473	ug/l	90
42) 1,2-Dichloroethane	8.322	62	44529	52.128	ug/l	99
43) Isopropyl Acetate	8.357	43	37526	51.310	ug/l	98
44) Trichloroethene	9.028	130	56843	52.417	ug/l	89
45) 1,2-Dichloropropane	9.304	63	43021	52.957	ug/l	95
46) Dibromomethane	9.393	93	25428	54.243	ug/l	97
47) Bromodichloromethane	9.581	83	65054	56.088	ug/l	98
48) Methyl methacrylate	9.381	41	18071	54.066	ug/l	96
49) 1,4-Dioxane	9.381	88	5280	1144.407	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	99169	272.610	ug/l	97
52) Toluene	10.334	92	127475	55.838	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	55732	54.652	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	70274	54.654	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	36147	56.122	ug/l	95
56) Ethyl methacrylate	10.598	69	39618	56.272	ug/l	98
57) 1,3-Dichloropropane	10.881	76	57656	55.181	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	54652	285.940	ug/l	97
59) 2-Hexanone	10.922	43	67051	270.047	ug/l	98
60) Dibromochloromethane	11.075	129	44172	56.898	ug/l	98
61) 1,2-Dibromoethane	11.181	107	32439	55.174	ug/l	98
64) Tetrachloroethene	10.810	164	46366	49.984	ug/l	94
65) Chlorobenzene	11.604	112	138331	52.330	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	48896	53.839	ug/l	98
67) Ethyl Benzene	11.681	91	236732	51.429	ug/l	98
68) m/p-Xylenes	11.793	106	175588	95.938	ug/l	99
69) o-Xylene	12.122	106	85461	50.173	ug/l	93
70) Styrene	12.134	104	146322	51.008	ug/l	99
71) Bromoform	12.298	173	23454	49.188	ug/l #	98
73) Isopropylbenzene	12.422	105	222175	52.222	ug/l	98
74) N-amyl acetate	12.234	43	32719	52.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	34704	51.527	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	21274m	44.662	ug/l	
77) Bromobenzene	12.698	156	50540	52.635	ug/l	98
78) n-propylbenzene	12.763	91	266032	52.911	ug/l	100
79) 2-Chlorotoluene	12.845	91	139893	51.358	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	184266	53.355	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	9581	51.402	ug/l	98
82) 4-Chlorotoluene	12.945	91	145479	51.985	ug/l	100
83) tert-Butylbenzene	13.163	119	165154	53.606	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	181943	53.536	ug/l	98
85) sec-Butylbenzene	13.345	105	245903	53.188	ug/l	98
86) p-Isopropyltoluene	13.457	119	204266	52.739	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	103577	51.909	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	101805	52.118	ug/l	100
89) n-Butylbenzene	13.787	91	189661	53.748	ug/l	98
90) Hexachloroethane	14.051	117	35543	52.722	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	87825	52.764	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4777	51.286	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	58632	53.399	ug/l	100
94) Hexachlorobutadiene	15.198	225	32294	53.462	ug/l	98
95) Naphthalene	15.328	128	108080	52.289	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	49780	52.889	ug/l	99

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

