

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100622\
 Data File : VD074459.D
 Acq On : 06 Oct 2022 11:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

10/07/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 07 01:24:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	117769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	203087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	168089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81244	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	54578	52.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.320%
35) Dibromofluoromethane	7.799	113	62183	46.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.860%
50) Toluene-d8	10.269	98	232456	47.612	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.220%
62) 4-Bromofluorobenzene	12.569	95	66096	42.841	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.680%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	50895	48.967	ug/l	93
3) Chloromethane	2.146	50	66320	46.248	ug/l	92
4) Vinyl Chloride	2.281	62	62100	49.887	ug/l	96
5) Bromomethane	2.687	94	42077	57.768	ug/l	95
6) Chloroethane	2.834	64	40278	49.129	ug/l	100
7) Trichlorofluoromethane	3.170	101	100711	49.410	ug/l	93
8) Diethyl Ether	3.587	74	32112	50.946	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	63693	48.353	ug/l	98
10) Methyl Iodide	4.164	142	69317	40.321	ug/l	97
11) Tert butyl alcohol	5.052	59	19293	166.475	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	67003	48.277	ug/l	97
13) Acrolein	3.793	56	14957	216.657	ug/l	99
14) Allyl chloride	4.558	41	78518	49.422	ug/l	98
15) Acrylonitrile	5.252	53	63319	252.653	ug/l	98
16) Acetone	4.017	43	70928	276.333	ug/l	100
17) Carbon Disulfide	4.264	76	214047	48.868	ug/l	98
18) Methyl Acetate	4.558	43	29159	45.873	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	137161	50.145	ug/l	98
20) Methylene Chloride	4.799	84	71974	43.981	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	75965	49.487	ug/l	96
22) Diisopropyl ether	6.211	45	156053	48.195	ug/l	94
23) Vinyl Acetate	6.146	43	403332	270.765	ug/l	100
24) 1,1-Dichloroethane	6.111	63	116159	49.431	ug/l	98
25) 2-Butanone	7.075	43	80060	266.751	ug/l	99
26) 2,2-Dichloropropane	7.075	77	101141	48.719	ug/l	100
27) cis-1,2-Dichloroethene	7.075	96	80721	49.713	ug/l	97
28) Bromochloromethane	7.428	49	35309	50.896	ug/l	89
29) Tetrahydrofuran	7.446	42	42492	253.068	ug/l	94
30) Chloroform	7.593	83	118579	48.832	ug/l	95
31) Cyclohexane	7.869	56	98191	46.720	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	106487	49.646	ug/l	98
36) 1,1-Dichloropropene	8.011	75	93240	49.602	ug/l	99
37) Ethyl Acetate	7.164	43	33012	53.484	ug/l	99
38) Carbon Tetrachloride	7.987	117	85636	51.410	ug/l	92
39) Methylcyclohexane	9.275	83	115602	50.154	ug/l	95
40) Benzene	8.252	78	277473	50.826	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	18423	54.544	ug/l	90
42) 1,2-Dichloroethane	8.322	62	66055	51.110	ug/l	98
43) Isopropyl Acetate	8.358	43	59102	50.209	ug/l	97
44) Trichloroethene	9.028	130	73801	48.111	ug/l	98
45) 1,2-Dichloropropane	9.305	63	60088	47.406	ug/l	99
46) Dibromomethane	9.393	93	34379	48.977	ug/l	93
47) Bromodichloromethane	9.581	83	83966	47.895	ug/l	98
48) Methyl methacrylate	9.381	41	27720	50.592	ug/l	92
49) 1,4-Dioxane	9.387	88	7372	986.098	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	145403	248.506	ug/l	98
52) Toluene	10.334	92	166486	48.249	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	77706	48.561	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	96446	48.918	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	46139	46.747	ug/l	99
56) Ethyl methacrylate	10.593	69	55768	50.225	ug/l	93
57) 1,3-Dichloropropane	10.875	76	75488	47.458	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	67167	255.835	ug/l	96
59) 2-Hexanone	10.916	43	106945	266.527	ug/l	100
60) Dibromochloromethane	11.069	129	54076	47.015	ug/l	100
61) 1,2-Dibromoethane	11.175	107	42714	46.830	ug/l	98
64) Tetrachloroethene	10.810	164	56972	48.853	ug/l	96
65) Chlorobenzene	11.604	112	170596	50.786	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	58318	51.605	ug/l	98
67) Ethyl Benzene	11.681	91	315336	52.081	ug/l	97
68) m/p-Xylenes	11.793	106	248186	104.307	ug/l	98
69) o-Xylene	12.116	106	115613	52.883	ug/l	98
70) Styrene	12.134	104	200072	53.414	ug/l	100
71) Bromoform	12.299	173	30927	52.051	ug/l #	97
73) Isopropylbenzene	12.416	105	306490	51.295	ug/l	99
74) N-amyl acetate	12.228	43	51851	50.745	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	48672	49.004	ug/l	99
76) 1,2,3-Trichloropropane	12.716	75	27143m	43.522	ug/l	
77) Bromobenzene	12.698	156	67238	49.498	ug/l	94
78) n-propylbenzene	12.757	91	373927	51.225	ug/l	98
79) 2-Chlorotoluene	12.846	91	195807	50.363	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	250409	50.731	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.463	75	15364	54.964	ug/l	95
82) 4-Chlorotoluene	12.940	91	201160	50.679	ug/l	100
83) tert-Butylbenzene	13.163	119	215603	50.762	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	248795	51.295	ug/l	99
85) sec-Butylbenzene	13.340	105	331729	50.701	ug/l	100
86) p-Isopropyltoluene	13.457	119	277793	51.470	ug/l	100
87) 1,3-Dichlorobenzene	13.451	146	139672	50.808	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	135928	49.670	ug/l	98
89) n-Butylbenzene	13.781	91	263989	52.222	ug/l	98
90) Hexachloroethane	14.045	117	47872	50.000	ug/l	94
91) 1,2-Dichlorobenzene	13.822	146	118050	50.487	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7127	48.987	ug/l	87
93) 1,2,4-Trichlorobenzene	15.092	180	72823	47.993	ug/l	97
94) Hexachlorobutadiene	15.198	225	37600	47.536	ug/l	96
95) Naphthalene	15.328	128	144942	50.066	ug/l	100
96) 1,2,3-Trichlorobenzene	15.516	180	63470	48.292	ug/l	98

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

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