

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074885.D
 Acq On : 11 Nov 2022 12:19
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 00:29:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:27:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	169844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	245993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	223083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	108659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	59473	45.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.100%			
35) Dibromofluoromethane	7.805	113	76498	50.448	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.900%			
50) Toluene-d8	10.269	98	248549	49.759	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.575	95	79948	52.124	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	55576	43.803	ug/l	92
3) Chloromethane	2.146	50	93245	46.607	ug/l	97
4) Vinyl Chloride	2.281	62	114960	48.272	ug/l	95
5) Bromomethane	2.687	94	86208	44.261	ug/l	95
6) Chloroethane	2.834	64	83613	47.810	ug/l	100
7) Trichlorofluoromethane	3.170	101	127899	47.135	ug/l	90
8) Diethyl Ether	3.593	74	38567	49.573	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.964	101	82905	47.878	ug/l	98
10) Methyl Iodide	4.164	142	95841	53.798	ug/l	97
11) Tert butyl alcohol	5.052	59	19616	205.200	ug/l	98
12) 1,1-Dichloroethene	3.940	96	82183	48.724	ug/l	93
13) Acrolein	3.793	56	11222	204.532	ug/l	100
14) Allyl chloride	4.564	41	90714	50.280	ug/l	99
15) Acrylonitrile	5.252	53	76089	250.269	ug/l	98
16) Acetone	4.017	43	68500	244.308	ug/l	95
17) Carbon Disulfide	4.270	76	231657	48.279	ug/l	98
18) Methyl Acetate	4.564	43	34268	41.528	ug/l	97
19) Methyl tert-butyl Ether	5.317	73	171328	50.736	ug/l	100
20) Methylene Chloride	4.799	84	122012	32.672	ug/l #	89
21) trans-1,2-Dichloroethene	5.305	96	95008	49.672	ug/l	91
22) Diisopropyl ether	6.211	45	210790	52.419	ug/l	95
23) Vinyl Acetate	6.152	43	456566	281.460	ug/l	99
24) 1,1-Dichloroethane	6.117	63	149473	49.774	ug/l	99
25) 2-Butanone	7.081	43	88545	241.497	ug/l	96
26) 2,2-Dichloropropane	7.075	77	134899	47.800	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	105982	49.945	ug/l	99
28) Bromochloromethane	7.428	49	48510	50.071	ug/l	95
29) Tetrahydrofuran	7.452	42	52279	257.595	ug/l	98
30) Chloroform	7.593	83	161951	49.243	ug/l	99
31) Cyclohexane	7.875	56	117355	47.394	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	141966	50.088	ug/l	96
36) 1,1-Dichloropropene	8.011	75	118450	53.150	ug/l	100
37) Ethyl Acetate	7.164	43	40193	53.748	ug/l	98
38) Carbon Tetrachloride	7.987	117	112042	53.410	ug/l	99
39) Methylcyclohexane	9.275	83	126913	53.158	ug/l	96
40) Benzene	8.252	78	353607	55.180	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	20834	53.365	ug/l #	91
42) 1,2-Dichloroethane	8.328	62	85308	55.626	ug/l	100
43) Isopropyl Acetate	8.363	43	70182	53.285	ug/l	99
44) Trichloroethene	9.028	130	87933	51.939	ug/l	99
45) 1,2-Dichloropropane	9.305	63	76570	53.179	ug/l	91
46) Dibromomethane	9.393	93	41362	51.294	ug/l	94
47) Bromodichloromethane	9.587	83	104920	52.427	ug/l	97
48) Methyl methacrylate	9.381	41	31251	53.563	ug/l	92
49) 1,4-Dioxane	9.381	88	8723	1102.417	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	172458	274.658	ug/l	98
52) Toluene	10.334	92	211975	55.324	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	94943	53.704	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	117891	54.376	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	60035	53.543	ug/l	95
56) Ethyl methacrylate	10.599	69	67669	55.829	ug/l	98
57) 1,3-Dichloropropane	10.881	76	95720	53.101	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	111818	267.751	ug/l	97
59) 2-Hexanone	10.922	43	120333	274.909	ug/l	100
60) Dibromochloromethane	11.075	129	71854	54.021	ug/l	99
61) 1,2-Dibromoethane	11.181	107	55339	52.773	ug/l	98
64) Tetrachloroethene	10.810	164	72829	48.692	ug/l	92
65) Chlorobenzene	11.610	112	220425	50.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	76229	49.854	ug/l	96
67) Ethyl Benzene	11.687	91	392344	51.603	ug/l	98
68) m/p-Xylenes	11.793	106	315592	104.107	ug/l	98
69) o-Xylene	12.122	106	147735	52.971	ug/l	94
70) Styrene	12.134	104	253911	53.111	ug/l	98
71) Bromoform	12.299	173	40226	50.832	ug/l #	97
73) Isopropylbenzene	12.422	105	386065	51.620	ug/l	100
74) N-amyl acetate	12.234	43	63437	51.554	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	65178	49.268	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	42718m	48.643	ug/l	
77) Bromobenzene	12.698	156	86889	49.645	ug/l	94
78) n-propylbenzene	12.763	91	471556	51.294	ug/l	99
79) 2-Chlorotoluene	12.851	91	249473	50.363	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	321662	51.617	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	17926	48.523	ug/l	96
82) 4-Chlorotoluene	12.946	91	260032	50.409	ug/l	98
83) tert-Butylbenzene	13.169	119	273839	50.643	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	314660	51.054	ug/l	99
85) sec-Butylbenzene	13.346	105	414176	50.356	ug/l	100
86) p-Isopropyltoluene	13.463	119	352289	51.511	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	179920	49.419	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	176176	48.756	ug/l	99
89) n-Butylbenzene	13.787	91	325504	51.264	ug/l	98
90) Hexachloroethane	14.051	117	61002	49.801	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	153982	49.736	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	8814	48.324	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	93502	49.615	ug/l	99
94) Hexachlorobutadiene	15.204	225	46583	47.921	ug/l	98
95) Naphthalene	15.334	128	177103	50.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	81583	50.060	ug/l	99

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

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