

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091522\
 Data File : VD074321.D
 Acq On : 15 Sep 2022 21:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/16/2022
 Supervised By :Mahesh Dadoda 09/16/2022

Quant Time: Sep 16 05:56:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	79058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	133428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	123481	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.510	152	60560	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	40329	50.036	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.805	113	42866	47.866	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.740%			
50) Toluene-d8	10.263	98	161042	49.237	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.480%			
62) 4-Bromofluorobenzene	12.563	95	51855	44.656	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	28469	45.923	ug/l	96
3) Chloromethane	2.140	50	28906	48.911	ug/l	98
4) Vinyl Chloride	2.275	62	29690	58.974	ug/l	92
5) Bromomethane	2.675	94	16009	60.384	ug/l	89
6) Chloroethane	2.828	64	18124	60.455	ug/l #	88
7) Trichlorofluoromethane	3.164	101	66405	47.408	ug/l	98
8) Diethyl Ether	3.587	74	22201	49.126	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	42796	47.487	ug/l	99
10) Methyl Iodide	4.152	142	52735	49.100	ug/l	99
11) Tert butyl alcohol	5.058	59	14340	218.145	ug/l #	90
12) 1,1-Dichloroethene	3.928	96	40439	46.484	ug/l	98
13) Acrolein	3.793	56	14309	204.787	ug/l	98
14) Allyl chloride	4.552	41	63804	47.257	ug/l	99
15) Acrylonitrile	5.258	53	57214	271.543	ug/l	99
16) Acetone	4.022	43	40109	241.085	ug/l	98
17) Carbon Disulfide	4.264	76	103661	41.306	ug/l	99
18) Methyl Acetate	4.564	43	27589	49.566	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	107908	51.204	ug/l	98
20) Methylene Chloride	4.799	84	67927	69.399	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	47649	48.552	ug/l	96
22) Diisopropyl ether	6.216	45	149933	52.330	ug/l	96
23) Vinyl Acetate	6.152	43	351933	260.121	ug/l	100
24) 1,1-Dichloroethane	6.111	63	91107	51.475	ug/l	98
25) 2-Butanone	7.087	43	67658	243.836	ug/l	99
26) 2,2-Dichloropropane	7.075	77	70560	45.631	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	56305	50.211	ug/l	99
28) Bromochloromethane	7.422	49	28337	52.132	ug/l	96
29) Tetrahydrofuran	7.440	42	44590	260.664	ug/l	99
30) Chloroform	7.593	83	90493	51.513	ug/l	90
31) Cyclohexane	7.869	56	71899	43.165	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	76613	49.705	ug/l	99
36) 1,1-Dichloropropene	8.005	75	66429	45.997	ug/l	100
37) Ethyl Acetate	7.163	43	31808	50.789	ug/l	97
38) Carbon Tetrachloride	7.993	117	62787	48.052	ug/l	98
39) Methylcyclohexane	9.269	83	77116	43.136	ug/l	96
40) Benzene	8.246	78	201139	50.325	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	15269	43.772	ug/l #	72
42) 1,2-Dichloroethane	8.322	62	54416	51.519	ug/l	99
43) Isopropyl Acetate	8.358	43	57773	47.758	ug/l	97
44) Trichloroethene	9.028	130	51491	46.413	ug/l	96
45) 1,2-Dichloropropane	9.305	63	52691	50.726	ug/l	97
46) Dibromomethane	9.393	93	27664	51.295	ug/l	96
47) Bromodichloromethane	9.581	83	70222	51.754	ug/l	98
48) Methyl methacrylate	9.381	41	26950	47.169	ug/l	96
49) 1,4-Dioxane	9.381	88	6845	1071.787	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	159458	260.804	ug/l	98
52) Toluene	10.334	92	123515	48.181	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	62660	48.991	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	77155	48.962	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	39933	53.564	ug/l	98
56) Ethyl methacrylate	10.593	69	50839	51.324	ug/l	99
57) 1,3-Dichloropropane	10.875	76	66914	50.857	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	31979	171.780	ug/l	98
59) 2-Hexanone	10.916	43	106499	256.508	ug/l	99
60) Dibromochloromethane	11.069	129	46146	50.829	ug/l	100
61) 1,2-Dibromoethane	11.175	107	36173	50.978	ug/l	99
64) Tetrachloroethene	10.804	164	41242	43.683	ug/l	95
65) Chlorobenzene	11.604	112	134409	48.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	49856	50.146	ug/l	100
67) Ethyl Benzene	11.681	91	247857	47.799	ug/l	99
68) m/p-Xylenes	11.787	106	187943	95.499	ug/l	99
69) o-Xylene	12.116	106	90966	48.909	ug/l	99
70) Styrene	12.128	104	155296	50.062	ug/l	99
71) Bromoform	12.293	173	27806	50.236	ug/l #	98
73) Isopropylbenzene	12.416	105	241667	47.166	ug/l	100
74) N-amyl acetate	12.228	43	56633	46.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	46762	50.123	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	34565m	55.675	ug/l	
77) Bromobenzene	12.693	156	54334	48.323	ug/l	96
78) n-propylbenzene	12.757	91	293431	46.702	ug/l	99
79) 2-Chlorotoluene	12.840	91	157578	46.364	ug/l	100
80) 1,3,5-Trimethylbenzene	12.893	105	195635	46.085	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	11181	44.404	ug/l #	100
82) 4-Chlorotoluene	12.940	91	162972	47.099	ug/l	98
83) tert-Butylbenzene	13.157	119	174340	46.921	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	193748	47.013	ug/l	100
85) sec-Butylbenzene	13.334	105	260924	46.358	ug/l	99
86) p-Isopropyltoluene	13.451	119	214336	46.622	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	106790	46.569	ug/l	96
88) 1,4-Dichlorobenzene	13.528	146	106578	47.262	ug/l	99
89) n-Butylbenzene	13.775	91	207524	46.195	ug/l	100
90) Hexachloroethane	14.045	117	41776	49.674	ug/l	98
91) 1,2-Dichlorobenzene	13.822	146	93898	47.083	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.434	75	6551	49.971	ug/l	92
93) 1,2,4-Trichlorobenzene	15.087	180	61726	44.777	ug/l	99
94) Hexachlorobutadiene	15.192	225	35609	45.202	ug/l	96
95) Naphthalene	15.322	128	122395	47.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.510	180	55333	46.756	ug/l	100

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

