

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102022\
 Data File : VD074589.D
 Acq On : 20 Oct 2022 10:06
 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 10/21/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 14:54:04 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	96882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	159372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	137458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	66516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	35759	48.344	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.680%		
35) Dibromofluoromethane	7.810	113	42729	48.356	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.720%		
50) Toluene-d8	10.269	98	154875	48.552	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.100%		
62) 4-Bromofluorobenzene	12.575	95	46543	50.748	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	36492	48.526	ug/l	99
3) Chloromethane	2.146	50	44608	43.819	ug/l	94
4) Vinyl Chloride	2.287	62	53347	47.388	ug/l	99
5) Bromomethane	2.693	94	41400	48.562	ug/l	97
6) Chloroethane	2.840	64	38018	49.119	ug/l	99
7) Trichlorofluoromethane	3.181	101	78368	49.112	ug/l	93
8) Diethyl Ether	3.593	74	24223	52.417	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	52905	51.412	ug/l	99
10) Methyl Iodide	4.169	142	61467	46.204	ug/l	98
11) Tert butyl alcohol	5.052	59	16459	225.426	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	51662	50.193	ug/l	90
13) Acrolein	3.793	56	18671	235.684	ug/l	93
14) Allyl chloride	4.563	41	57086	51.359	ug/l	99
15) Acrylonitrile	5.257	53	50670	268.284	ug/l	99
16) Acetone	4.022	43	47780	295.812	ug/l	96
17) Carbon Disulfide	4.275	76	124449	44.187	ug/l	97
18) Methyl Acetate	4.563	43	21455	49.231	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	106905	53.153	ug/l	97
20) Methylene Chloride	4.799	84	60806	48.744	ug/l	89
21) trans-1,2-Dichloroethene	5.316	96	56045	48.846	ug/l	95
22) Diisopropyl ether	6.216	45	121765	54.288	ug/l	99
23) Vinyl Acetate	6.152	43	294770	300.534	ug/l	99
24) 1,1-Dichloroethane	6.116	63	89399	51.355	ug/l	99
25) 2-Butanone	7.081	43	57261	265.112	ug/l	94
26) 2,2-Dichloropropane	7.075	77	84978	51.074	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	65323	51.330	ug/l	99
28) Bromochloromethane	7.422	49	26843	56.835	ug/l	96
29) Tetrahydrofuran	7.446	42	30963	262.835	ug/l	98
30) Chloroform	7.598	83	97017	51.794	ug/l	99
31) Cyclohexane	7.881	56	70673	47.565	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	88427	51.479	ug/l	97
36) 1,1-Dichloropropene	8.010	75	71137	49.687	ug/l	99
37) Ethyl Acetate	7.169	43	24246	53.675	ug/l	97
38) Carbon Tetrachloride	7.993	117	72235	51.524	ug/l	93
39) Methylcyclohexane	9.275	83	86581	50.613	ug/l	99
40) Benzene	8.251	78	217641	51.221	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	14741	60.568	ug/l	90
42) 1,2-Dichloroethane	8.328	62	49972	50.964	ug/l	99
43) Isopropyl Acetate	8.363	43	44274	52.739	ug/l	99
44) Trichloroethene	9.028	130	63368	50.907	ug/l	95
45) 1,2-Dichloropropane	9.304	63	49116	52.672	ug/l	95
46) Dibromomethane	9.393	93	28150	52.315	ug/l	98
47) Bromodichloromethane	9.587	83	69859	52.473	ug/l #	92
48) Methyl methacrylate	9.381	41	20646	53.814	ug/l	96
49) 1,4-Dioxane	9.381	88	5827	1100.288	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	113576	271.999	ug/l	99
52) Toluene	10.334	92	139901	53.388	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	63979	54.658	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	77081	52.227	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	40241	54.431	ug/l	96
56) Ethyl methacrylate	10.598	69	44149	54.630	ug/l	97
57) 1,3-Dichloropropane	10.881	76	63503	52.949	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	68863	310.138	ug/l	100
59) 2-Hexanone	10.922	43	81323	285.340	ug/l	99
60) Dibromochloromethane	11.075	129	48689	54.638	ug/l	100
61) 1,2-Dibromoethane	11.181	107	36182	53.614	ug/l	99
64) Tetrachloroethene	10.810	164	50242	49.449	ug/l	94
65) Chlorobenzene	11.610	112	150338	51.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	53809	54.092	ug/l	97
67) Ethyl Benzene	11.687	91	266705	52.898	ug/l	98
68) m/p-Xylenes	11.792	106	215104	107.301	ug/l	96
69) o-Xylene	12.122	106	99979	53.588	ug/l	95
70) Styrene	12.134	104	171217	54.493	ug/l	99
71) Bromoform	12.304	173	28135	53.870	ug/l #	98
73) Isopropylbenzene	12.422	105	267037	51.477	ug/l	100
74) N-amyl acetate	12.234	43	39884	52.017	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	41836	50.944	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	33596m	57.845	ug/l	
77) Bromobenzene	12.704	156	60649	51.802	ug/l	97
78) n-propylbenzene	12.763	91	318180	51.900	ug/l	99
79) 2-Chlorotoluene	12.851	91	168465	50.723	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	217517	51.654	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	12362	54.393	ug/l	95
82) 4-Chlorotoluene	12.945	91	172879	50.665	ug/l	99
83) tert-Butylbenzene	13.169	119	195852	52.136	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	213982	51.638	ug/l	95
85) sec-Butylbenzene	13.345	105	292434	51.875	ug/l	98
86) p-Isopropyltoluene	13.457	119	247194	52.343	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	125865	51.733	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	122887	51.595	ug/l	98
89) n-Butylbenzene	13.786	91	227412	52.855	ug/l	97
90) Hexachloroethane	14.051	117	43303	52.680	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	108392	53.408	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5802	51.086	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	71874	53.685	ug/l	99
94) Hexachlorobutadiene	15.204	225	38896	52.810	ug/l	97
95) Naphthalene	15.333	128	131930	52.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	62043	54.061	ug/l	99

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

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