

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075284.D
 Acq On : 09 Feb 2023 09:43
 Operator : KP/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 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 10 01:57:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	54142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	88629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	81062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	40484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	31973	50.362	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.720%			
35) Dibromofluoromethane	7.810	113	31516	50.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.420%			
50) Toluene-d8	10.269	98	116504	49.433	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.860%			
62) 4-Bromofluorobenzene	12.575	95	39868	51.302	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	20378	46.528	ug/l	99
3) Chloromethane	2.146	50	35583	47.135	ug/l	93
4) Vinyl Chloride	2.281	62	38726	42.994	ug/l	98
5) Bromomethane	2.693	94	25948	45.024	ug/l	99
6) Chloroethane	2.840	64	28027	45.104	ug/l	97
7) Trichlorofluoromethane	3.175	101	51496	45.980	ug/l	99
8) Diethyl Ether	3.593	74	14113	46.876	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.963	101	31365	49.352	ug/l	98
10) Methyl Iodide	4.157	142	34554	45.111	ug/l	93
11) Tert butyl alcohol	5.051	59	7874	207.423	ug/l #	87
12) 1,1-Dichloroethene	3.940	96	29760	49.111	ug/l	99
13) Acrolein	3.804	56	4194	207.446	ug/l	91
14) Allyl chloride	4.563	41	47973	47.582	ug/l	91
15) Acrylonitrile	5.257	53	34893	250.152	ug/l	100
16) Acetone	4.028	43	44381	264.377	ug/l	92
17) Carbon Disulfide	4.269	76	85721	45.852	ug/l	100
18) Methyl Acetate	4.563	43	21424	47.884	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	68722	49.396	ug/l	96
20) Methylene Chloride	4.799	84	36039	51.087	ug/l	93
21) trans-1,2-Dichloroethene	5.310	96	34074	49.690	ug/l	96
22) Diisopropyl ether	6.216	45	103164	51.443	ug/l	98
23) Vinyl Acetate	6.157	43	225941	327.073	ug/l	97
24) 1,1-Dichloroethane	6.116	63	62228	49.771	ug/l	99
25) 2-Butanone	7.081	43	51473	247.462	ug/l	95
26) 2,2-Dichloropropane	7.075	77	54604	49.340	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	38873	50.670	ug/l	98
28) Bromochloromethane	7.428	49	16896	54.515	ug/l	94
29) Tetrahydrofuran	7.445	42	27881	248.921	ug/l	97
30) Chloroform	7.598	83	65419	50.835	ug/l	97
31) Cyclohexane	7.881	56	50835	45.094	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	58554	50.867	ug/l	100
36) 1,1-Dichloropropene	8.004	75	48672	50.276	ug/l	98
37) Ethyl Acetate	7.169	43	18629	44.122	ug/l	97
38) Carbon Tetrachloride	7.992	117	46082	51.370	ug/l	97
39) Methylcyclohexane	9.275	83	55878	49.866	ug/l	97
40) Benzene	8.251	78	137328	50.472	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	11825	46.949	ug/l	93
42) 1,2-Dichloroethane	8.328	62	39674	50.365	ug/l	100
43) Isopropyl Acetate	8.357	43	39886	49.440	ug/l	97
44) Trichloroethene	9.028	130	35825	47.765	ug/l	96
45) 1,2-Dichloropropane	9.304	63	35085	50.774	ug/l	98
46) Dibromomethane	9.392	93	18821	49.150	ug/l	97
47) Bromodichloromethane	9.587	83	48509	50.899	ug/l	99
48) Methyl methacrylate	9.381	41	20054	52.342	ug/l	95
49) 1,4-Dioxane	9.387	88	3472	951.710	ug/l	91
51) 4-Methyl-2-Pentanone	10.163	43	103588	253.980	ug/l	95
52) Toluene	10.334	92	86555	50.506	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	43956	53.247	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	53102	53.802	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	25473	52.111	ug/l	98
56) Ethyl methacrylate	10.598	69	29397	51.729	ug/l	94
57) 1,3-Dichloropropane	10.881	76	42790	51.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	44484	266.504	ug/l	99
59) 2-Hexanone	10.922	43	75923	254.796	ug/l	96
60) Dibromochloromethane	11.075	129	32080	52.969	ug/l	99
61) 1,2-Dibromoethane	11.181	107	23656	50.188	ug/l	99
64) Tetrachloroethene	10.810	164	29944	47.962	ug/l	97
65) Chlorobenzene	11.610	112	91662	50.141	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	33876	50.898	ug/l	97
67) Ethyl Benzene	11.686	91	170117	50.405	ug/l	99
68) m/p-Xylenes	11.792	106	129805	101.109	ug/l	97
69) o-Xylene	12.122	106	61134	50.979	ug/l	96
70) Styrene	12.133	104	103898	51.147	ug/l	98
71) Bromoform	12.298	173	17858	49.952	ug/l #	100
73) Isopropylbenzene	12.422	105	166266	50.696	ug/l	99
74) N-amyl acetate	12.233	43	37441	50.803	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	28272	49.549	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	21712m	47.216	ug/l	
77) Bromobenzene	12.704	156	37591	50.617	ug/l	98
78) n-propylbenzene	12.763	91	206064	50.495	ug/l	98
79) 2-Chlorotoluene	12.851	91	111834	49.961	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	139580	51.114	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	6653	47.090	ug/l #	79
82) 4-Chlorotoluene	12.951	91	117363	50.262	ug/l	99
83) tert-Butylbenzene	13.169	119	120323	51.109	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	139121	51.008	ug/l	97
85) sec-Butylbenzene	13.345	105	186113	51.532	ug/l	97
86) p-Isopropyltoluene	13.463	119	153291	51.886	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	76042	50.659	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	73634	49.024	ug/l	99
89) n-Butylbenzene	13.786	91	147897	51.277	ug/l	98
90) Hexachloroethane	14.057	117	28639	49.170	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	64681	49.662	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4283	48.395	ug/l	100
93) 1,2,4-Trichlorobenzene	15.104	180	41392	50.744	ug/l	99
94) Hexachlorobutadiene	15.204	225	21469	49.886	ug/l	98
95) Naphthalene	15.333	128	74255	48.908	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	34446	48.943	ug/l	98

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

