

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015391.D
 Acq On : 31 Aug 2023 09:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/01/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Sep 01 00:42:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	159774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	269421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	250765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88290	51.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.100%			
35) Dibromofluoromethane	7.716	113	80684	51.994	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.980%			
50) Toluene-d8	10.179	98	274697	48.881	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.483	95	104357	50.022	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	62697	45.143	ug/l	100
3) Chloromethane	2.113	50	95111	51.565	ug/l	100
4) Vinyl Chloride	2.247	62	102270	47.636	ug/l	99
5) Bromomethane	2.643	94	76858	50.313	ug/l	100
6) Chloroethane	2.784	64	71261	50.499	ug/l	96
7) Trichlorofluoromethane	3.119	101	138928	45.748	ug/l	100
8) Diethyl Ether	3.527	74	54574	52.584	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.893	101	77011	45.754	ug/l	95
10) Methyl Iodide	4.088	142	97295	49.224	ug/l	98
11) Tert butyl alcohol	4.972	59	104512	281.486	ug/l #	88
12) 1,1-Dichloroethene	3.869	96	76242	48.003	ug/l	92
13) Acrolein	3.735	56	153214	318.640	ug/l	98
14) Allyl chloride	4.479	41	131330	51.934	ug/l	95
15) Acrylonitrile	5.167	53	190124	291.128	ug/l	99
16) Acetone	3.960	43	262494	367.178	ug/l	94
17) Carbon Disulfide	4.192	76	230347	48.512	ug/l	100
18) Methyl Acetate	4.485	43	147792	57.076	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	272620	52.812	ug/l	100
20) Methylene Chloride	4.716	84	101001	42.930	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	91649	50.111	ug/l	98
22) Diisopropyl ether	6.118	45	288392	52.145	ug/l	93
23) Vinyl Acetate	6.058	43	978882	280.328	ug/l	95
24) 1,1-Dichloroethane	6.015	63	159976	50.038	ug/l	96
25) 2-Butanone	6.990	43	340261	335.577	ug/l	98
26) 2,2-Dichloropropane	6.984	77	140734	51.827	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	106832	51.490	ug/l	95
28) Bromochloromethane	7.332	49	50889	51.905	ug/l	98
29) Tetrahydrofuran	7.350	42	188085	295.388	ug/l	94
30) Chloroform	7.502	83	170846	50.833	ug/l	97
31) Cyclohexane	7.783	56	134249	44.126	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	145275	48.393	ug/l	99
36) 1,1-Dichloropropene	7.917	75	125268	45.973	ug/l	99
37) Ethyl Acetate	7.076	43	120872	57.517	ug/l	97
38) Carbon Tetrachloride	7.899	117	129282	45.939	ug/l	99
39) Methylcyclohexane	9.185	83	151106	44.049	ug/l	94
40) Benzene	8.161	78	369740	48.636	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	55387m	56.203	ug/l	
42) 1,2-Dichloroethane	8.234	62	124199	48.994	ug/l	95
43) Isopropyl Acetate	8.271	43	198248	54.554	ug/l	98
44) Trichloroethene	8.941	130	103491	48.115	ug/l	97
45) 1,2-Dichloropropane	9.215	63	96429	50.317	ug/l	99
46) Dibromomethane	9.307	93	64410	50.597	ug/l	96
47) Bromodichloromethane	9.496	83	136940	50.302	ug/l	96
48) Methyl methacrylate	9.295	41	89530	53.697	ug/l	92
49) 1,4-Dioxane	9.307	88	26721	1130.071	ug/l #	49
51) 4-Methyl-2-Pentanone	10.069	43	613247	290.344	ug/l	94
52) Toluene	10.240	92	235920	48.419	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	151043	52.206	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	161427	51.292	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	88321	51.491	ug/l	96
56) Ethyl methacrylate	10.508	69	136446	53.680	ug/l	90
57) 1,3-Dichloropropane	10.788	76	151310	51.246	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	248461	273.857	ug/l	95
59) 2-Hexanone	10.831	43	500411	315.748	ug/l	93
60) Dibromochloromethane	10.983	129	104842	52.222	ug/l	100
61) 1,2-Dibromoethane	11.087	107	91490	52.640	ug/l	99
64) Tetrachloroethene	10.721	164	108177	47.527	ug/l	97
65) Chlorobenzene	11.514	112	258230	47.788	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	95888	48.481	ug/l	98
67) Ethyl Benzene	11.593	91	457577	47.158	ug/l	98
68) m/p-Xylenes	11.703	106	356228	94.715	ug/l	95
69) o-Xylene	12.032	106	171348	47.671	ug/l	97
70) Styrene	12.044	104	296466	49.054	ug/l	98
71) Bromoform	12.209	173	74447	53.960	ug/l #	98
73) Isopropylbenzene	12.331	105	447222	46.111	ug/l	100
74) N-amyl acetate	12.142	43	179062	54.953	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	123710	53.432	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	96694m	56.470	ug/l	
77) Bromobenzene	12.611	156	110952	48.301	ug/l	95
78) n-propylbenzene	12.672	91	552356	47.066	ug/l	100
79) 2-Chlorotoluene	12.758	91	313914	47.689	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	380073	46.851	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	43585	56.149	ug/l	97
82) 4-Chlorotoluene	12.855	91	328141	47.966	ug/l	100
83) tert-Butylbenzene	13.075	119	323925	45.588	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	384905	47.787	ug/l	99
85) sec-Butylbenzene	13.251	105	489326	46.171	ug/l	99
86) p-Isopropyltoluene	13.367	119	413016	46.498	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	217229	47.901	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	219520	47.887	ug/l	100
89) n-Butylbenzene	13.696	91	393681	47.090	ug/l	97
90) Hexachloroethane	13.959	117	77100	48.533	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	202893	49.025	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25522	55.724	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	130322	50.142	ug/l	99
94) Hexachlorobutadiene	15.111	225	65458	46.187	ug/l	98
95) Naphthalene	15.239	128	355843	55.271	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	120400	50.787	ug/l	99

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

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