

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
 Data File : VY011005.D
 Acq On : 19 Oct 2022 11:40
 Operator : KP/MD
 Sample : VY1019SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1019SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 12:03:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	268404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	435559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	391170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	186734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116207	47.002	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.000%		
35) Dibromofluoromethane	7.716	113	120548	49.635	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.260%		
50) Toluene-d8	10.179	98	442492	48.655	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.320%		
62) 4-Bromofluorobenzene	12.483	95	153861	47.614	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36996	20.780	ug/l	98
3) Chloromethane	2.113	50	54812	21.459	ug/l	96
4) Vinyl Chloride	2.253	62	62277	21.512	ug/l	99
5) Bromomethane	2.643	94	42874	21.412	ug/l	96
6) Chloroethane	2.790	64	41459	21.430	ug/l	99
7) Trichlorofluoromethane	3.125	101	92315	21.786	ug/l	94
8) Diethyl Ether	3.527	74	31872	20.156	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	57962	21.807	ug/l	93
10) Methyl Iodide	4.088	142	67927	20.886	ug/l	90
11) Tert butyl alcohol	4.930	59	43970	149.232	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	54733	21.497	ug/l #	81
13) Acrolein	3.723	56	37636	94.425	ug/l	96
14) Allyl chloride	4.472	41	85510	21.178	ug/l #	87
15) Acrylonitrile	5.155	53	84825	102.913	ug/l	97
16) Acetone	3.948	43	71062	98.975	ug/l #	87
17) Carbon Disulfide	4.192	76	160160	21.457	ug/l	98
18) Methyl Acetate	4.478	43	46454	21.387	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	145345	20.431	ug/l	96
20) Methylene Chloride	4.716	84	78605	21.524	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	62426	21.718	ug/l	90
22) Diisopropyl ether	6.118	45	186915	21.615	ug/l #	93
23) Vinyl Acetate	6.057	43	532926	103.059	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	112463	21.540	ug/l	98
25) 2-Butanone	6.984	43	106661	97.960	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	98887	21.329	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	71283	21.518	ug/l	89
28) Bromochloromethane	7.332	49	23636	15.396	ug/l	91
29) Tetrahydrofuran	7.344	42	68284	101.932	ug/l #	88
30) Chloroform	7.502	83	113632	21.591	ug/l	97
31) Cyclohexane	7.783	56	100706	21.286	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	99958	21.607	ug/l	96
36) 1,1-Dichloropropene	7.917	75	88081	21.723	ug/l	99
37) Ethyl Acetate	7.069	43	47711	21.254	ug/l #	94
38) Carbon Tetrachloride	7.899	117	88409	21.123	ug/l	99
39) Methylcyclohexane	9.185	83	105252	21.673	ug/l	90
40) Benzene	8.161	78	257302	21.628	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	23724m	19.502	ug/l	
42) 1,2-Dichloroethane	8.234	62	69201	20.993	ug/l	90
43) Isopropyl Acetate	8.270	43	81747	20.382	ug/l #	90
44) Trichloroethene	8.941	130	68750	21.325	ug/l	99
45) 1,2-Dichloropropane	9.215	63	64868	21.490	ug/l	96
46) Dibromomethane	9.301	93	35118	20.859	ug/l	95
47) Bromodichloromethane	9.496	83	86482	21.316	ug/l	98
48) Methyl methacrylate	9.295	41	36772	20.486	ug/l #	79
49) 1,4-Dioxane	9.295	88	9127	377.318	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	227536	101.723	ug/l	89
52) Toluene	10.246	92	160976	21.780	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	87634	20.792	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	101418	21.027	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	51150	21.060	ug/l	98
56) Ethyl methacrylate	10.508	69	64127	19.880	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	87987	21.070	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	112477	82.652	ug/l	97
59) 2-Hexanone	10.831	43	155339	101.100	ug/l	86
60) Dibromochloromethane	10.983	129	60445	20.930	ug/l	100
61) 1,2-Dibromoethane	11.087	107	48067	20.666	ug/l	99
64) Tetrachloroethene	10.721	164	64703	21.249	ug/l	99
65) Chlorobenzene	11.514	112	169672	21.127	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	62244	20.940	ug/l	97
67) Ethyl Benzene	11.593	91	303714	21.377	ug/l	100
68) m/p-Xylenes	11.703	106	233732	42.765	ug/l	95
69) o-Xylene	12.026	106	109839	21.165	ug/l	95
70) Styrene	12.044	104	188980	21.491	ug/l	95
71) Bromoform	12.209	173	37710	20.556	ug/l #	99
73) Isopropylbenzene	12.331	105	294693	21.722	ug/l	99
74) N-amyl acetate	12.142	43	69947	20.321	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	59417	20.869	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	46134m	21.761	ug/l	
77) Bromobenzene	12.605	156	67434	21.265	ug/l	99
78) n-propylbenzene	12.672	91	363820	22.041	ug/l	100
79) 2-Chlorotoluene	12.757	91	204217	21.969	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	252146	22.275	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20425	20.721	ug/l	86
82) 4-Chlorotoluene	12.855	91	211491	21.851	ug/l	100
83) tert-Butylbenzene	13.074	119	212431	21.702	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	248835	22.293	ug/l	99
85) sec-Butylbenzene	13.251	105	324021	22.029	ug/l	99
86) p-Isopropyltoluene	13.367	119	267517	21.924	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	135862	21.467	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	135612	21.550	ug/l	98
89) n-Butylbenzene	13.696	91	252585	22.152	ug/l	100
90) Hexachloroethane	13.958	117	52094	21.633	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	121945	21.536	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9681	20.565	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	71134	21.020	ug/l	98
94) Hexachlorobutadiene	15.111	225	43498	21.836	ug/l	99
95) Naphthalene	15.233	128	139691	20.269	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	60369	20.448	ug/l	99

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

