

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012962.D
 Acq On : 16 Mar 2023 11:45
 Operator : KP/MD
 Sample : VY0316SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 01:32:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	77261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	117099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	108327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	58386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	38448	50.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.240%			
35) Dibromofluoromethane	7.716	113	37759	53.431	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.860%			
50) Toluene-d8	10.179	98	124344	48.130	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.260%			
62) 4-Bromofluorobenzene	12.483	95	45933	52.675	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	15992	21.000	ug/l	99
3) Chloromethane	2.113	50	18458	20.275	ug/l	95
4) Vinyl Chloride	2.253	62	17139	20.530	ug/l	96
5) Bromomethane	2.643	94	11300	22.276	ug/l	88
6) Chloroethane	2.790	64	11170	22.341	ug/l	97
7) Trichlorofluoromethane	3.125	101	30918	22.298	ug/l	96
8) Diethyl Ether	3.534	74	11061	22.764	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	18425	22.087	ug/l	100
10) Methyl Iodide	4.094	142	21524	19.802	ug/l	98
11) Tert butyl alcohol	4.954	59	12886	136.954	ug/l	99
12) 1,1-Dichloroethene	3.875	96	17034	21.410	ug/l	93
13) Acrolein	3.729	56	12283	91.394	ug/l	95
14) Allyl chloride	4.478	41	28924	19.681	ug/l	99
15) Acrylonitrile	5.161	53	31392	122.616	ug/l	99
16) Acetone	3.942	43	35730	118.668	ug/l	99
17) Carbon Disulfide	4.198	76	52446	19.366	ug/l	97
18) Methyl Acetate	4.472	43	20324	22.667	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	46378	22.568	ug/l	97
20) Methylene Chloride	4.716	84	21484	20.178	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	18369	21.246	ug/l	99
22) Diisopropyl ether	6.118	45	58985	22.097	ug/l	94
23) Vinyl Acetate	6.057	43	184930	111.500	ug/l	100
24) 1,1-Dichloroethane	6.021	63	32957	21.667	ug/l	99
25) 2-Butanone	6.984	43	46312	124.184	ug/l	95
26) 2,2-Dichloropropane	6.984	77	29927	22.153	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	21444	23.134	ug/l	95
28) Bromochloromethane	7.338	49	12931	23.263	ug/l	98
29) Tetrahydrofuran	7.350	42	27228	121.056	ug/l	98
30) Chloroform	7.508	83	34889	23.222	ug/l	100
31) Cyclohexane	7.789	56	28472	19.380	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	31052	22.854	ug/l	99
36) 1,1-Dichloropropene	7.917	75	25974	21.933	ug/l	99
37) Ethyl Acetate	7.076	43	18173	24.347	ug/l	99
38) Carbon Tetrachloride	7.899	117	28157	23.024	ug/l	99
39) Methylcyclohexane	9.185	83	28168	20.007	ug/l	98
40) Benzene	8.161	78	75962	22.676	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	7485m	18.612	ug/l	
42) 1,2-Dichloroethane	8.240	62	24021	23.850	ug/l	98
43) Isopropyl Acetate	8.270	43	30965	23.252	ug/l	97
44) Trichloroethene	8.941	130	19655	22.254	ug/l	92
45) 1,2-Dichloropropane	9.215	63	19270	22.761	ug/l	98
46) Dibromomethane	9.307	93	11703	24.264	ug/l	98
47) Bromodichloromethane	9.496	83	26562	23.370	ug/l	96
48) Methyl methacrylate	9.295	41	13818	22.519	ug/l	92
49) 1,4-Dioxane	9.301	88	3433	550.584	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	91002	125.978	ug/l	98
52) Toluene	10.246	92	46675	23.103	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	27749	23.276	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	30754	22.791	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	16399	24.414	ug/l	93
56) Ethyl methacrylate	10.508	69	21055	23.508	ug/l	98
57) 1,3-Dichloropropane	10.788	76	27850	24.343	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	55921	118.936	ug/l	100
59) 2-Hexanone	10.831	43	68376	130.239	ug/l	100
60) Dibromochloromethane	10.983	129	20115	24.601	ug/l	100
61) 1,2-Dibromoethane	11.087	107	15783	24.392	ug/l	98
64) Tetrachloroethene	10.721	164	17923	22.725	ug/l	98
65) Chlorobenzene	11.514	112	51043	22.451	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	19860	23.607	ug/l	97
67) Ethyl Benzene	11.593	91	85890	21.488	ug/l	98
68) m/p-Xylenes	11.703	106	67587	43.953	ug/l	99
69) o-Xylene	12.032	106	31462	21.923	ug/l	96
70) Styrene	12.044	104	53976	22.538	ug/l	99
71) Bromoform	12.209	173	13652	24.889	ug/l #	99
73) Isopropylbenzene	12.331	105	83314	20.135	ug/l	99
74) N-amyl acetate	12.142	43	27275	20.950	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	21512	23.127	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	13476m	19.328	ug/l	
77) Bromobenzene	12.611	156	21281	21.171	ug/l	99
78) n-propylbenzene	12.672	91	105868	20.752	ug/l	100
79) 2-Chlorotoluene	12.757	91	60543	21.353	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	71164	20.840	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	7601	22.589	ug/l	97
82) 4-Chlorotoluene	12.855	91	62839	21.410	ug/l	99
83) tert-Butylbenzene	13.074	119	60005	20.359	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	70258	21.040	ug/l	99
85) sec-Butylbenzene	13.251	105	92927	20.667	ug/l	100
86) p-Isopropyltoluene	13.367	119	77806	21.172	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	42491	21.917	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	42551	21.505	ug/l	98
89) n-Butylbenzene	13.696	91	70706	20.098	ug/l	99
90) Hexachloroethane	13.958	117	16539	21.608	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	39305	22.427	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3743	24.899	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	23054	21.365	ug/l	98
94) Hexachlorobutadiene	15.111	225	14741	22.398	ug/l	97
95) Naphthalene	15.239	128	45931	21.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	20441	21.300	ug/l	98

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

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