

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032923\
 Data File : VY013129.D
 Acq On : 29 Mar 2023 12:09
 Operator : KP/MD
 Sample : VY0329SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0329SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/30/2023
 Supervised By :Mahesh Dadoda 03/30/2023

Quant Time: Mar 29 23:31:55 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	91146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	133214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	121567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	46173	51.022	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.040%			
35) Dibromofluoromethane	7.716	113	46996	58.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.920%			
50) Toluene-d8	10.179	98	136572	46.468	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.940%			
62) 4-Bromofluorobenzene	12.483	95	55398	55.844	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16715	18.606	ug/l	97
3) Chloromethane	2.113	50	20330	18.929	ug/l	97
4) Vinyl Chloride	2.253	62	20649	20.966	ug/l	96
5) Bromomethane	2.638	94	13813	23.082	ug/l	91
6) Chloroethane	2.790	64	13947	23.646	ug/l	96
7) Trichlorofluoromethane	3.119	101	36630	22.394	ug/l	95
8) Diethyl Ether	3.522	74	12350	21.545	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	21188	21.530	ug/l	98
10) Methyl Iodide	4.095	142	22879	17.842	ug/l	96
11) Tert butyl alcohol	4.942	59	12762	111.455	ug/l #	83
12) 1,1-Dichloroethene	3.875	96	18956	20.196	ug/l	95
13) Acrolein	3.735	56	9921	62.574	ug/l	99
14) Allyl chloride	4.479	41	34550	19.928	ug/l	97
15) Acrylonitrile	5.161	53	32560	107.804	ug/l	99
16) Acetone	3.942	43	41022	115.489	ug/l	94
17) Carbon Disulfide	4.192	76	53116	16.626	ug/l	99
18) Methyl Acetate	4.473	43	23887	22.582	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	50870	20.983	ug/l	97
20) Methylene Chloride	4.716	84	29352	24.320	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	19581	19.197	ug/l	99
22) Diisopropyl ether	6.119	45	72223	22.935	ug/l	98
23) Vinyl Acetate	6.058	43	211646	108.169	ug/l	98
24) 1,1-Dichloroethane	6.021	63	40109	22.352	ug/l	98
25) 2-Butanone	6.984	43	49926	113.481	ug/l	98
26) 2,2-Dichloropropane	6.978	77	36003	22.590	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	23439	21.434	ug/l	96
28) Bromochloromethane	7.332	49	15004	22.880	ug/l	99
29) Tetrahydrofuran	7.344	42	30021	113.140	ug/l	98
30) Chloroform	7.503	83	40944	23.100	ug/l	99
31) Cyclohexane	7.783	56	33566	19.367	ug/l #	90
32) 1,1,1-Trichloroethane	7.698	97	36382	22.698	ug/l	99
36) 1,1-Dichloropropene	7.917	75	29996	22.265	ug/l	98
37) Ethyl Acetate	7.070	43	20861	24.567	ug/l	98
38) Carbon Tetrachloride	7.899	117	32899	23.647	ug/l	96
39) Methylcyclohexane	9.185	83	30302	18.919	ug/l	93
40) Benzene	8.161	78	86392	22.669	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8750m	19.126	ug/l	
42) 1,2-Dichloroethane	8.234	62	27771	24.238	ug/l	99
43) Isopropyl Acetate	8.271	43	35606	23.503	ug/l	98
44) Trichloroethene	8.941	130	21796	21.693	ug/l	99
45) 1,2-Dichloropropane	9.216	63	21599	22.426	ug/l	94
46) Dibromomethane	9.307	93	12726	23.193	ug/l	98
47) Bromodichloromethane	9.496	83	30515	23.600	ug/l #	95
48) Methyl methacrylate	9.295	41	16114	23.084	ug/l	97
49) 1,4-Dioxane	9.295	88	3531	497.795	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	101741	123.806	ug/l	96
52) Toluene	10.246	92	51599	22.451	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	30324	22.359	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	34581	22.527	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	17752	23.231	ug/l	96
56) Ethyl methacrylate	10.508	69	22076	21.667	ug/l	97
57) 1,3-Dichloropropane	10.788	76	29636	22.770	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	64231	120.085	ug/l	100
59) 2-Hexanone	10.831	43	72994	122.216	ug/l	97
60) Dibromochloromethane	10.984	129	21843	23.483	ug/l	99
61) 1,2-Dibromoethane	11.087	107	17032	23.138	ug/l	96
64) Tetrachloroethene	10.721	164	19580	22.122	ug/l	99
65) Chlorobenzene	11.514	112	57144	22.397	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	21245	22.503	ug/l	98
67) Ethyl Benzene	11.593	91	97248	21.679	ug/l	99
68) m/p-Xylenes	11.703	106	75210	43.584	ug/l	100
69) o-Xylene	12.026	106	34797	21.606	ug/l	99
70) Styrene	12.044	104	59514	22.144	ug/l	100
71) Bromoform	12.209	173	14064	22.848	ug/l #	100
73) Isopropylbenzene	12.331	105	94783	20.591	ug/l	99
74) N-amyl acetate	12.142	43	29473	20.350	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	22837	22.070	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	14286m	18.419	ug/l	
77) Bromobenzene	12.611	156	23150	20.702	ug/l	100
78) n-propylbenzene	12.672	91	116773	20.576	ug/l	99
79) 2-Chlorotoluene	12.758	91	65383	20.729	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	81998	21.585	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	7690	20.543	ug/l	95
82) 4-Chlorotoluene	12.855	91	70451	21.577	ug/l	98
83) tert-Butylbenzene	13.075	119	67194	20.493	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	78373	21.098	ug/l	100
85) sec-Butylbenzene	13.251	105	103694	20.730	ug/l	98
86) p-Isopropyltoluene	13.367	119	87542	21.414	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	47785	22.156	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	46715	21.223	ug/l	98
89) n-Butylbenzene	13.697	91	79372	20.281	ug/l	99
90) Hexachloroethane	13.959	117	19348	22.723	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	41126	21.094	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3981	23.805	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	25633	21.354	ug/l	99
94) Hexachlorobutadiene	15.111	225	16438	22.452	ug/l	98
95) Naphthalene	15.233	128	50741	21.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	23262	21.789	ug/l	99

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

