

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032923\
 Data File : VY013128.D
 Acq On : 29 Mar 2023 11:47
 Operator : KP/MD
 Sample : VY0329SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 23:31:08 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	89872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	137544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	125866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	45091	50.533	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.060%			
35) Dibromofluoromethane	7.716	113	43390	52.272	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.540%			
50) Toluene-d8	10.179	98	135193	44.551	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.100%			
62) 4-Bromofluorobenzene	12.483	95	54022	52.743	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16246	18.340	ug/l	97
3) Chloromethane	2.113	50	20086	18.967	ug/l	96
4) Vinyl Chloride	2.253	62	20898	21.520	ug/l	100
5) Bromomethane	2.643	94	13830	23.438	ug/l	99
6) Chloroethane	2.796	64	14167	24.360	ug/l	96
7) Trichlorofluoromethane	3.125	101	37781	23.425	ug/l	98
8) Diethyl Ether	3.527	74	11855	20.975	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	21496	22.153	ug/l	98
10) Methyl Iodide	4.094	142	22875	18.092	ug/l	96
11) Tert butyl alcohol	4.948	59	11275	97.584	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	19369	20.929	ug/l	95
13) Acrolein	3.729	56	8900	56.930	ug/l	96
14) Allyl chloride	4.479	41	35578	20.811	ug/l	98
15) Acrylonitrile	5.155	53	31616	106.163	ug/l	98
16) Acetone	3.948	43	37955	108.369	ug/l	97
17) Carbon Disulfide	4.198	76	55422	17.593	ug/l	98
18) Methyl Acetate	4.479	43	23075	22.124	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	49850	20.854	ug/l	98
20) Methylene Chloride	4.710	84	29126	24.513	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	20229	20.114	ug/l	99
22) Diisopropyl ether	6.118	45	72037	23.200	ug/l	95
23) Vinyl Acetate	6.057	43	204303	105.896	ug/l	99
24) 1,1-Dichloroethane	6.015	63	40219	22.731	ug/l	99
25) 2-Butanone	6.990	43	47842	110.286	ug/l	93
26) 2,2-Dichloropropane	6.984	77	35731	22.737	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	23078	21.403	ug/l	97
28) Bromochloromethane	7.332	49	14762	22.830	ug/l	94
29) Tetrahydrofuran	7.350	42	27370	104.612	ug/l	97
30) Chloroform	7.508	83	39520	22.613	ug/l	99
31) Cyclohexane	7.789	56	32518	19.028	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	35581	22.513	ug/l	99
36) 1,1-Dichloropropene	7.917	75	29040	20.877	ug/l	99
37) Ethyl Acetate	7.076	43	18839	21.488	ug/l	100
38) Carbon Tetrachloride	7.899	117	32435	22.580	ug/l	93
39) Methylcyclohexane	9.185	83	30995	18.742	ug/l	93
40) Benzene	8.161	78	85173	21.646	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	9732m	20.603	ug/l	
42) 1,2-Dichloroethane	8.234	62	26549	22.442	ug/l	99
43) Isopropyl Acetate	8.271	43	33551	21.449	ug/l	98
44) Trichloroethene	8.941	130	22124	21.326	ug/l	95
45) 1,2-Dichloropropane	9.215	63	22017	22.140	ug/l	93
46) Dibromomethane	9.307	93	12546	22.145	ug/l	99
47) Bromodichloromethane	9.496	83	30387	22.761	ug/l	96
48) Methyl methacrylate	9.295	41	14730	20.437	ug/l	98
49) 1,4-Dioxane	9.301	88	3063	418.223	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	95567	112.632	ug/l	99
52) Toluene	10.246	92	51748	21.807	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	29816	21.292	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	33453	21.106	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	17374	22.021	ug/l	98
56) Ethyl methacrylate	10.514	69	21048	20.007	ug/l	98
57) 1,3-Dichloropropane	10.788	76	29384	21.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	59330	107.430	ug/l	99
59) 2-Hexanone	10.831	43	68504	111.088	ug/l	97
60) Dibromochloromethane	10.983	129	21761	22.658	ug/l	98
61) 1,2-Dibromoethane	11.087	107	16307	21.456	ug/l	99
64) Tetrachloroethene	10.721	164	19985	21.808	ug/l	97
65) Chlorobenzene	11.514	112	56804	21.503	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	21371	21.863	ug/l	99
67) Ethyl Benzene	11.593	91	94995	20.454	ug/l	100
68) m/p-Xylenes	11.703	106	76534	42.836	ug/l	99
69) o-Xylene	12.032	106	34828	20.887	ug/l	99
70) Styrene	12.044	104	59929	21.537	ug/l	99
71) Bromoform	12.209	173	13739	21.557	ug/l #	97
73) Isopropylbenzene	12.331	105	93420	18.481	ug/l	100
74) N-amyl acetate	12.142	43	27987	17.597	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	22451	19.758	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	17872m	20.983	ug/l	
77) Bromobenzene	12.611	156	24122	19.643	ug/l	98
78) n-propylbenzene	12.672	91	122772	19.700	ug/l	100
79) 2-Chlorotoluene	12.758	91	67022	19.350	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	82323	19.734	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	7438	18.094	ug/l	92
82) 4-Chlorotoluene	12.855	91	71835	20.035	ug/l	99
83) tert-Butylbenzene	13.075	119	70376	19.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	81475	19.973	ug/l	100
85) sec-Butylbenzene	13.251	105	108054	19.671	ug/l	99
86) p-Isopropyltoluene	13.367	119	89996	20.046	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	47664	20.125	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	49531	20.491	ug/l	99
89) n-Butylbenzene	13.696	91	84090	19.566	ug/l	98
90) Hexachloroethane	13.959	117	18880	20.192	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	44119	20.607	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3656	19.908	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	25620	19.436	ug/l	100
94) Hexachlorobutadiene	15.111	225	16309	20.285	ug/l	98
95) Naphthalene	15.239	128	47804	18.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	23473	20.022	ug/l	99

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

