

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013004.D
 Acq On : 20 Mar 2023 13:04
 Operator : KP/MD
 Sample : VY0320SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0320SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/21/2023
 Supervised By :Mahesh Dadoda 03/21/2023

Quant Time: Mar 21 01:11:28 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	104791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	145299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	44317	42.595	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.180%		
35) Dibromofluoromethane	7.715	113	43480	44.405	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.800%		
50) Toluene-d8	10.178	98	145312	40.594	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.180%		
62) 4-Bromofluorobenzene	12.483	95	53727	44.468	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	20215	19.572	ug/l	93
3) Chloromethane	2.113	50	20805	16.849	ug/l	98
4) Vinyl Chloride	2.253	62	19758	17.449	ug/l	97
5) Bromomethane	2.643	94	13822	20.090	ug/l	98
6) Chloroethane	2.789	64	12701	18.730	ug/l	89
7) Trichlorofluoromethane	3.125	101	32424	17.241	ug/l	96
8) Diethyl Ether	3.527	74	13226	20.069	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	23420	20.699	ug/l	99
10) Methyl Iodide	4.088	142	28083	19.049	ug/l	100
11) Tert butyl alcohol	4.954	59	12719	93.696	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	21935	20.327	ug/l	97
13) Acrolein	3.728	56	13373	73.363	ug/l	99
14) Allyl chloride	4.478	41	40671	20.404	ug/l	99
15) Acrylonitrile	5.161	53	36461	105.001	ug/l	99
16) Acetone	3.942	43	40812	99.936	ug/l	99
17) Carbon Disulfide	4.192	76	66612	18.135	ug/l	99
18) Methyl Acetate	4.478	43	25519	20.984	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	58609	21.027	ug/l	98
20) Methylene Chloride	4.716	84	29417	20.428	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	23804	20.299	ug/l	97
22) Diisopropyl ether	6.118	45	79011	21.823	ug/l	98
23) Vinyl Acetate	6.057	43	237384	105.525	ug/l	100
24) 1,1-Dichloroethane	6.014	63	43449	21.061	ug/l	98
25) 2-Butanone	6.984	43	54234	107.221	ug/l	99
26) 2,2-Dichloropropane	6.978	77	37846	20.655	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	26634	21.184	ug/l	99
28) Bromochloromethane	7.331	49	16407	21.762	ug/l	98
29) Tetrahydrofuran	7.350	42	32813	107.560	ug/l	99
30) Chloroform	7.502	83	44746	21.958	ug/l	96
31) Cyclohexane	7.789	56	38033	19.087	ug/l	87
32) 1,1,1-Trichloroethane	7.703	97	39377	21.367	ug/l	99
36) 1,1-Dichloropropene	7.917	75	33051	20.142	ug/l	99
37) Ethyl Acetate	7.069	43	21684	20.966	ug/l	99
38) Carbon Tetrachloride	7.898	117	36043	21.271	ug/l	98
39) Methylcyclohexane	9.185	83	37856	19.405	ug/l	94
40) Benzene	8.160	78	97553	21.017	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11315	20.306	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	29733	21.307	ug/l	100
43) Isopropyl Acetate	8.270	43	38637	20.939	ug/l	99
44) Trichloroethene	8.941	130	25557	20.884	ug/l	99
45) 1,2-Dichloropropane	9.215	63	25358	21.617	ug/l	97
46) Dibromomethane	9.300	93	14430	21.592	ug/l	98
47) Bromodichloromethane	9.496	83	33988	21.582	ug/l	99
48) Methyl methacrylate	9.288	41	17720	20.842	ug/l	99
49) 1,4-Dioxane	9.300	88	3693	427.462	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	110214	110.115	ug/l	100
52) Toluene	10.245	92	60122	21.478	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	34641	20.971	ug/l	100
54) cis-1,3-Dichloropropene	9.928	75	40368	21.591	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	20357	21.873	ug/l	97
56) Ethyl methacrylate	10.508	69	26304	21.196	ug/l	98
57) 1,3-Dichloropropane	10.788	76	34058	21.485	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	70495	108.210	ug/l	99
59) 2-Hexanone	10.831	43	80617	110.824	ug/l	100
60) Dibromochloromethane	10.983	129	25351	22.377	ug/l	99
61) 1,2-Dibromoethane	11.087	107	19632	21.898	ug/l	100
64) Tetrachloroethene	10.721	164	22110	20.900	ug/l	98
65) Chlorobenzene	11.513	112	64078	21.013	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	24784	21.964	ug/l	99
67) Ethyl Benzene	11.593	91	113404	21.152	ug/l	99
68) m/p-Xylenes	11.702	106	87954	42.644	ug/l	100
69) o-Xylene	12.032	106	39632	20.589	ug/l	99
70) Styrene	12.044	104	69433	21.615	ug/l	99
71) Bromoform	12.208	173	16116	21.905	ug/l #	98
73) Isopropylbenzene	12.330	105	108588	19.984	ug/l	99
74) N-amyl acetate	12.141	43	33198	19.418	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	25705	21.044	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	19558m	21.361	ug/l	
77) Bromobenzene	12.611	156	26932	20.403	ug/l	99
78) n-propylbenzene	12.672	91	136408	20.362	ug/l	100
79) 2-Chlorotoluene	12.757	91	76465	20.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	92021	20.521	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8697	19.682	ug/l	98
82) 4-Chlorotoluene	12.855	91	79934	20.740	ug/l	97
83) tert-Butylbenzene	13.074	119	78137	20.188	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	88991	20.295	ug/l	99
85) sec-Butylbenzene	13.251	105	118840	20.127	ug/l	100
86) p-Isopropyltoluene	13.367	119	97789	20.264	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	53739	21.108	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	53735	20.680	ug/l	98
89) n-Butylbenzene	13.696	91	92421	20.005	ug/l	99
90) Hexachloroethane	13.958	117	20036	19.934	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	47880	20.805	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	4222	21.387	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	28085	19.820	ug/l	99
94) Hexachlorobutadiene	15.110	225	17503	20.252	ug/l	99
95) Naphthalene	15.238	128	54558	19.214	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	25713	20.403	ug/l	98

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

