

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013269.D
 Acq On : 12 Apr 2023 16:02
 Operator : KP/MD
 Sample : VY0412SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0412SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 06:16:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	247147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	393965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	347434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	155259	52.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.540%			
35) Dibromofluoromethane	7.710	113	130961	51.347	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.700%			
50) Toluene-d8	10.173	98	488050	51.409	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.477	95	160221	51.943	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.880%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	43365	19.496	ug/l	90
3) Chloromethane	2.107	50	58234	20.897	ug/l	99
4) Vinyl Chloride	2.247	62	55663	21.068	ug/l	98
5) Bromomethane	2.650	94	42172	20.815	ug/l	95
6) Chloroethane	2.784	64	38430	21.568	ug/l	98
7) Trichlorofluoromethane	3.119	101	86725	21.089	ug/l	98
8) Diethyl Ether	3.522	74	32580	21.806	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	50475	20.888	ug/l	97
10) Methyl Iodide	4.082	142	61459	20.734	ug/l	96
11) Tert butyl alcohol	4.924	59	66132m	172.213	ug/l	
12) 1,1-Dichloroethene	3.863	96	48055	20.663	ug/l	94
13) Acrolein	3.723	56	41664	114.191	ug/l	97
14) Allyl chloride	4.473	41	94435	21.257	ug/l	95
15) Acrylonitrile	5.155	53	94775	110.391	ug/l	98
16) Acetone	3.948	43	102642	100.509	ug/l	94
17) Carbon Disulfide	4.186	76	158156	20.656	ug/l	100
18) Methyl Acetate	4.479	43	74427	22.534	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	149205	21.417	ug/l	98
20) Methylene Chloride	4.710	84	63758	21.174	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	54545	20.546	ug/l	100
22) Diisopropyl ether	6.113	45	191635	21.888	ug/l	96
23) Vinyl Acetate	6.052	43	611297	110.447	ug/l	98
24) 1,1-Dichloroethane	6.009	63	101152	20.683	ug/l	97
25) 2-Butanone	6.984	43	146387	111.954	ug/l	92
26) 2,2-Dichloropropane	6.972	77	92516	21.085	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	61751	21.391	ug/l	95
28) Bromochloromethane	7.326	49	41962	21.529	ug/l	95
29) Tetrahydrofuran	7.344	42	92379	116.323	ug/l	97
30) Chloroform	7.503	83	103484	20.909	ug/l	98
31) Cyclohexane	7.783	56	91805	20.442	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	93179	20.812	ug/l	98
36) 1,1-Dichloropropene	7.911	75	79628	20.608	ug/l	99
37) Ethyl Acetate	7.064	43	68840	22.102	ug/l	96
38) Carbon Tetrachloride	7.893	117	86580	20.265	ug/l	96
39) Methylcyclohexane	9.179	83	93095	20.726	ug/l	96
40) Benzene	8.155	78	228587	20.441	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	28861m	22.336	ug/l	
42) 1,2-Dichloroethane	8.234	62	76713	20.232	ug/l	97
43) Isopropyl Acetate	8.271	43	110688	21.396	ug/l	97
44) Trichloroethene	8.935	130	59101	20.515	ug/l	89
45) 1,2-Dichloropropane	9.210	63	59707	20.570	ug/l	100
46) Dibromomethane	9.301	93	35310	20.213	ug/l	98
47) Bromodichloromethane	9.490	83	81171	20.326	ug/l	100
48) Methyl methacrylate	9.289	41	49741	20.932	ug/l	95
49) 1,4-Dioxane	9.313	88	10549	445.699	ug/l #	69
51) 4-Methyl-2-Pentanone	10.063	43	319453	113.464	ug/l	95
52) Toluene	10.240	92	141030	20.885	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	86422	20.664	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	94817	20.676	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	48531	21.070	ug/l	97
56) Ethyl methacrylate	10.508	69	67994	21.559	ug/l	90
57) 1,3-Dichloropropane	10.782	76	81780	20.875	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	148728	112.941	ug/l	97
59) 2-Hexanone	10.831	43	231833	113.246	ug/l	94
60) Dibromochloromethane	10.977	129	58564	20.277	ug/l	100
61) 1,2-Dibromoethane	11.087	107	48689	21.708	ug/l	99
64) Tetrachloroethene	10.715	164	52091	21.252	ug/l	98
65) Chlorobenzene	11.514	112	150649	20.728	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	57588	21.114	ug/l	100
67) Ethyl Benzene	11.587	91	264851	20.923	ug/l	100
68) m/p-Xylenes	11.697	106	208643	43.079	ug/l	100
69) o-Xylene	12.026	106	96223	21.452	ug/l	100
70) Styrene	12.038	104	165821	21.888	ug/l	99
71) Bromoform	12.203	173	40135	21.241	ug/l #	97
73) Isopropylbenzene	12.325	105	253797	20.959	ug/l	100
74) N-amyl acetate	12.142	43	94323	21.833	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	63394	21.192	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	44079m	20.038	ug/l	
77) Bromobenzene	12.605	156	62132	20.518	ug/l	96
78) n-propylbenzene	12.666	91	316289	21.149	ug/l	100
79) 2-Chlorotoluene	12.752	91	173405	20.598	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	211919	20.893	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	23456	22.130	ug/l	96
82) 4-Chlorotoluene	12.849	91	182330	20.544	ug/l	99
83) tert-Butylbenzene	13.075	119	186255	21.400	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	205212	20.788	ug/l	100
85) sec-Butylbenzene	13.251	105	272070	20.904	ug/l	99
86) p-Isopropyltoluene	13.367	119	228650	21.409	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	121691	20.847	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	122633	20.789	ug/l	98
89) n-Butylbenzene	13.697	91	212612	20.814	ug/l	98
90) Hexachloroethane	13.959	117	45512	20.437	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	110125	20.732	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11459	21.094	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	66464	21.053	ug/l	99
94) Hexachlorobutadiene	15.111	225	39034	20.880	ug/l	99
95) Naphthalene	15.233	128	146274	20.889	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	60374	20.991	ug/l	99

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

