

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015977.D
 Acq On : 16 Oct 2023 10:57
 Operator : SY/MD
 Sample : VY1016SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/20/2023
 Supervised By :Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 17 05:40:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	210203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	340834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	320464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	162828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	120443	50.206	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.420%			
35) Dibromofluoromethane	7.728	113	111162	51.806	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.620%			
50) Toluene-d8	10.185	98	424028	52.769	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.540%			
62) 4-Bromofluorobenzene	12.489	95	151164	52.830	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.660%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	31124	17.696	ug/l	99
3) Chloromethane	2.119	50	49643	15.001	ug/l	98
4) Vinyl Chloride	2.259	62	45427	20.190	ug/l	95
5) Bromomethane	2.668	94	30573	24.023	ug/l	97
6) Chloroethane	2.808	64	27243	18.736	ug/l	92
7) Trichlorofluoromethane	3.131	101	81771	21.427	ug/l	98
8) Diethyl Ether	3.540	74	28030	19.652	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	43694	20.136	ug/l	95
10) Methyl Iodide	4.094	142	53093	21.277	ug/l	99
11) Tert butyl alcohol	5.137	59	74183m	53.298	ug/l	
12) 1,1-Dichloroethene	3.875	96	41419	20.261	ug/l	95
13) Acrolein	3.759	56	48189	106.357	ug/l	100
14) Allyl chloride	4.485	41	66540	20.143	ug/l	92
15) Acrylonitrile	5.204	53	124504	99.089	ug/l	94
16) Acetone	4.009	43	139113	99.826	ug/l	93
17) Carbon Disulfide	4.198	76	125686	20.116	ug/l	98
18) Methyl Acetate	4.521	43	79462	16.439	ug/l #	89
19) Methyl tert-butyl Ether	5.253	73	131938	19.253	ug/l	98
20) Methylene Chloride	4.722	84	52005	16.787	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	47449	19.858	ug/l	93
22) Diisopropyl ether	6.149	45	140645	20.503	ug/l	99
23) Vinyl Acetate	6.088	43	432133	95.759	ug/l #	94
24) 1,1-Dichloroethane	6.033	63	81594	19.992	ug/l	96
25) 2-Butanone	7.033	43	174245	85.911	ug/l	96
26) 2,2-Dichloropropane	6.996	77	66973	19.761	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	53342	19.854	ug/l	92
28) Bromochloromethane	7.350	49	38266	21.010	ug/l	93
29) Tetrahydrofuran	7.380	42	131722	94.744	ug/l	96
30) Chloroform	7.521	83	85499	20.183	ug/l	94
31) Cyclohexane	7.795	56	74517	19.513	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	75867	20.137	ug/l	98
36) 1,1-Dichloropropene	7.929	75	65671	20.284	ug/l	99
37) Ethyl Acetate	7.100	43	87670m	17.550	ug/l	
38) Carbon Tetrachloride	7.911	117	67600	19.826	ug/l	96
39) Methylcyclohexane	9.191	83	80291	19.329	ug/l	94
40) Benzene	8.173	78	189826	20.264	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	28609	17.369	ug/l #	88
42) 1,2-Dichloroethane	8.252	62	58140	19.342	ug/l	93
43) Isopropyl Acetate	8.295	43	103106	19.212	ug/l	92
44) Trichloroethene	8.947	130	59448	20.593	ug/l	97
45) 1,2-Dichloropropane	9.228	63	48297	20.205	ug/l	98
46) Dibromomethane	9.319	93	33137	19.722	ug/l	96
47) Bromodichloromethane	9.508	83	68144	20.085	ug/l	99
48) Methyl methacrylate	9.307	41	44777	18.889	ug/l #	84
49) 1,4-Dioxane	9.398	88	20272m	432.634	ug/l	
51) 4-Methyl-2-Pentanone	10.081	43	439675	111.166	ug/l	91
52) Toluene	10.252	92	124086	20.718	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	76417	20.087	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	83691	20.465	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	49628	20.746	ug/l	95
56) Ethyl methacrylate	10.520	69	75094	20.052	ug/l #	87
57) 1,3-Dichloropropane	10.801	76	81298	20.033	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	202669	123.327	ug/l	100
59) 2-Hexanone	10.843	43	374097	110.806	ug/l	88
60) Dibromochloromethane	10.996	129	55076	20.246	ug/l	99
61) 1,2-Dibromoethane	11.099	107	52704	20.361	ug/l	98
64) Tetrachloroethene	10.727	164	53565	19.174	ug/l	99
65) Chlorobenzene	11.526	112	135810	20.226	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	50278	20.228	ug/l	99
67) Ethyl Benzene	11.599	91	235904	20.093	ug/l	100
68) m/p-Xylenes	11.709	106	185267	40.889	ug/l	95
69) o-Xylene	12.038	106	89105	20.570	ug/l	95
70) Styrene	12.050	104	152453	20.679	ug/l	96
71) Bromoform	12.215	173	41938	19.813	ug/l #	99
73) Isopropylbenzene	12.337	105	229897	19.944	ug/l	100
74) N-amyl acetate	12.154	43	95236	20.451	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	69270	19.565	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	57412m	18.017	ug/l	
77) Bromobenzene	12.617	156	57920	20.016	ug/l	89
78) n-propylbenzene	12.678	91	283324	20.213	ug/l	100
79) 2-Chlorotoluene	12.764	91	159432	20.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	193199	20.174	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	27086	20.023	ug/l	95
82) 4-Chlorotoluene	12.861	91	165735	20.340	ug/l	99
83) tert-Butylbenzene	13.081	119	165929	19.718	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	196130	20.403	ug/l	98
85) sec-Butylbenzene	13.257	105	251612	20.147	ug/l	99
86) p-Isopropyltoluene	13.373	119	211664	20.282	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	112830	20.304	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	115103	20.512	ug/l	99
89) n-Butylbenzene	13.703	91	200155	20.395	ug/l	97
90) Hexachloroethane	13.971	117	40259	20.127	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	106200	20.369	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20839	20.575	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	67883	19.808	ug/l	97
94) Hexachlorobutadiene	15.117	225	35367	20.326	ug/l	98
95) Naphthalene	15.245	128	224097	20.157	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	66056	20.105	ug/l	98

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

