

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110923\
 Data File : VY016272.D
 Acq On : 09 Nov 2023 11:03
 Operator : SY/MD
 Sample : VY1109SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1109SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/10/2023
 Supervised By :Semsettin Yesilyurt 11/10/2023

Quant Time: Nov 09 22:55:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	170799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	277874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	237689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	81107	51.957	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.920%			
35) Dibromofluoromethane	7.734	113	83765	53.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.140%			
50) Toluene-d8	10.191	98	335338	52.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.495	95	107858	51.880	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	33301	19.912	ug/l	99
3) Chloromethane	2.119	50	37968	19.385	ug/l	99
4) Vinyl Chloride	2.259	62	40956	19.446	ug/l	100
5) Bromomethane	2.656	94	27715	20.023	ug/l	97
6) Chloroethane	2.802	64	26143	19.453	ug/l	93
7) Trichlorofluoromethane	3.137	101	60776	19.834	ug/l	100
8) Diethyl Ether	3.540	74	17907	19.553	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.911	101	36066	19.542	ug/l	95
10) Methyl Iodide	4.107	142	38018	19.073	ug/l	96
11) Tert butyl alcohol	4.966	59	11745	96.080	ug/l #	93
12) 1,1-Dichloroethene	3.887	96	34126	19.772	ug/l	89
13) Acrolein	3.741	56	15425	104.615	ug/l	97
14) Allyl chloride	4.497	41	48245	19.698	ug/l #	93
15) Acrylonitrile	5.186	53	36204	99.616	ug/l	98
16) Acetone	3.960	43	26069	100.959	ug/l #	86
17) Carbon Disulfide	4.210	76	101114	19.416	ug/l	96
18) Methyl Acetate	4.491	43	27016	19.690	ug/l #	90
19) Methyl tert-butyl Ether	5.234	73	81748	19.569	ug/l	98
20) Methylene Chloride	4.734	84	41101	20.477	ug/l	87
21) trans-1,2-Dichloroethene	5.234	96	38421	19.334	ug/l	91
22) Diisopropyl ether	6.137	45	104837	19.861	ug/l	88
23) Vinyl Acetate	6.076	43	254450	99.485	ug/l #	95
24) 1,1-Dichloroethane	6.027	63	63800	19.592	ug/l	95
25) 2-Butanone	6.996	43	45937	101.569	ug/l	95
26) 2,2-Dichloropropane	7.002	77	57740	19.482	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	42263	19.734	ug/l	91
28) Bromochloromethane	7.350	49	24269	20.137	ug/l	91
29) Tetrahydrofuran	7.356	42	29683	99.294	ug/l	91
30) Chloroform	7.521	83	66160	19.519	ug/l	94
31) Cyclohexane	7.801	56	60006	19.524	ug/l #	83
32) 1,1,1-Trichloroethane	7.716	97	61028	19.642	ug/l	97
36) 1,1-Dichloropropene	7.935	75	53946	19.682	ug/l	99
37) Ethyl Acetate	7.088	43	21425	19.346	ug/l #	95
38) Carbon Tetrachloride	7.917	117	54464	19.146	ug/l	99
39) Methylcyclohexane	9.197	83	66600	19.500	ug/l	94
40) Benzene	8.173	78	149145	19.368	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	11950m	21.400	ug/l	
42) 1,2-Dichloroethane	8.252	62	39324	19.708	ug/l	94
43) Isopropyl Acetate	8.283	43	41649	19.456	ug/l #	90
44) Trichloroethene	8.953	130	42789	19.334	ug/l	98
45) 1,2-Dichloropropane	9.228	63	36294	19.625	ug/l	98
46) Dibromomethane	9.319	93	19465	19.422	ug/l	97
47) Bromodichloromethane	9.508	83	50961	19.779	ug/l	100
48) Methyl methacrylate	9.301	41	22979	19.423	ug/l	86
49) 1,4-Dioxane	9.307	88	3887	365.329	ug/l #	48
51) 4-Methyl-2-Pentanone	10.081	43	106383	98.274	ug/l	91
52) Toluene	10.258	92	95732	19.666	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	48419	19.385	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	58782	19.704	ug/l #	89
55) 1,1,2-Trichloroethane	10.654	97	27894	20.194	ug/l	92
56) Ethyl methacrylate	10.520	69	25279	19.387	ug/l #	85
57) 1,3-Dichloropropane	10.800	76	45946	19.513	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	86633	97.984	ug/l	95
59) 2-Hexanone	10.843	43	82593	102.575	ug/l	90
60) Dibromochloromethane	10.996	129	34872	20.186	ug/l	98
61) 1,2-Dibromoethane	11.099	107	26049	19.794	ug/l	100
64) Tetrachloroethene	10.727	164	41820	19.595	ug/l	97
65) Chlorobenzene	11.526	112	99778	19.648	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	36628	19.555	ug/l	97
67) Ethyl Benzene	11.605	91	180548	19.783	ug/l	100
68) m/p-Xylenes	11.715	106	137550	39.736	ug/l	95
69) o-Xylene	12.038	106	64385	20.033	ug/l	95
70) Styrene	12.056	104	91512	19.885	ug/l	98
71) Bromoform	12.221	173	18660	19.200	ug/l #	99
73) Isopropylbenzene	12.343	105	175059	19.829	ug/l	100
74) N-amyl acetate	12.154	43	33952	19.146	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.593	83	28568	20.166	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	20679m	19.773	ug/l	
77) Bromobenzene	12.623	156	39166	19.629	ug/l	96
78) n-propylbenzene	12.684	91	205797	19.725	ug/l	100
79) 2-Chlorotoluene	12.770	91	112639	19.590	ug/l	98
80) 1,3,5-Trimethylbenzene	12.824	105	140467	19.734	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	9492	19.700	ug/l	91
82) 4-Chlorotoluene	12.867	91	118159	19.888	ug/l	99
83) tert-Butylbenzene	13.087	119	122593	19.554	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	138493	19.760	ug/l	100
85) sec-Butylbenzene	13.263	105	180201	20.119	ug/l	99
86) p-Isopropyltoluene	13.379	119	153778	19.939	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	75722	19.726	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	74214	19.782	ug/l	99
89) n-Butylbenzene	13.708	91	142498	20.006	ug/l	97
90) Hexachloroethane	13.971	117	28537	19.181	ug/l	90
91) 1,2-Dichlorobenzene	13.751	146	65270	19.842	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4168	18.492	ug/l	95
93) 1,2,4-Trichlorobenzene	15.019	180	37425	19.491	ug/l	99
94) Hexachlorobutadiene	15.123	225	21448	19.498	ug/l	99
95) Naphthalene	15.251	128	64439	18.765	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	30351	19.111	ug/l	99

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

Manual Integrations

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