

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016555.D
 Acq On : 01 Dec 2023 11:06
 Operator : SY/MD
 Sample : VY1201SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1201SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2023
 Supervised By : Semsettin Yesilyurt 12/04/2023

Quant Time: Dec 01 23:36:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	154884	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.703	114	234952	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.507	117	198689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	93198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	68008	55.578	ug/l	-0.02
Spiked Amount 50.000	Range 50	- 163	Recovery	=	111.160%	
35) Dibromofluoromethane	7.734	113	78016	56.576	ug/l	-0.01
Spiked Amount 50.000	Range 54	- 147	Recovery	=	113.160%	
50) Toluene-d8	10.197	98	308520	57.685	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	115.380%	
62) 4-Bromofluorobenzene	12.495	95	98468	58.689	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	117.380%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	31690	23.488	ug/l	99
3) Chloromethane	2.119	50	30295	22.509	ug/l	99
4) Vinyl Chloride	2.259	62	34721	22.857	ug/l	99
5) Bromomethane	2.661	94	22123	22.498	ug/l	98
6) Chloroethane	2.808	64	21473	21.896	ug/l	95
7) Trichlorofluoromethane	3.137	101	58676	22.312	ug/l	99
8) Diethyl Ether	3.539	74	14545	20.824	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.917	101	32490	21.764	ug/l	96
10) Methyl Iodide	4.106	142	36874	21.833	ug/l	97
11) Tert butyl alcohol	4.960	59	7807	100.662	ug/l #	85
12) 1,1-Dichloroethene	3.887	96	30311	21.725	ug/l	83
13) Acrolein	3.734	56	13495	91.827	ug/l	99
14) Allyl chloride	4.496	41	34239	21.347	ug/l #	88
15) Acrylonitrile	5.179	53	24553	99.337	ug/l	97
16) Acetone	3.954	43	26627	110.407	ug/l #	83
17) Carbon Disulfide	4.210	76	83103	21.112	ug/l	99
18) Methyl Acetate	4.496	43	17094	18.872	ug/l #	80
19) Methyl tert-butyl Ether	5.234	73	63692	20.949	ug/l	92
20) Methylene Chloride	4.740	84	35786	23.589	ug/l #	78
21) trans-1,2-Dichloroethene	5.240	96	34588	22.259	ug/l	86
22) Diisopropyl ether	6.142	45	73147	21.750	ug/l #	81
23) Vinyl Acetate	6.075	43	162697	104.903	ug/l #	84
24) 1,1-Dichloroethane	6.033	63	51502	21.699	ug/l	96
25) 2-Butanone	7.002	43	35616	107.880	ug/l #	78
26) 2,2-Dichloropropane	7.002	77	51761	22.065	ug/l	94
27) cis-1,2-Dichloroethene	7.002	96	37608	22.527	ug/l	84
28) Bromochloromethane	7.356	49	16952	19.762	ug/l #	63
29) Tetrahydrofuran	7.368	42	17457	98.427	ug/l #	76
30) Chloroform	7.520	83	58596	22.150	ug/l	97
31) Cyclohexane	7.801	56	45758	21.300	ug/l #	82
32) 1,1,1-Trichloroethane	7.715	97	57180	22.305	ug/l	95
36) 1,1-Dichloropropene	7.935	75	45323	22.257	ug/l	96
37) Ethyl Acetate	7.087	43	13212	20.701	ug/l #	90
38) Carbon Tetrachloride	7.917	117	52989	22.171	ug/l	99
39) Methylcyclohexane	9.197	83	55767	21.956	ug/l	88
40) Benzene	8.179	78	128687	22.289	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.331	41	6592m	19.608	ug/l	
42) 1,2-Dichloroethane	8.252	62	31186	21.797	ug/l	90
43) Isopropyl Acetate	8.288	43	25087	19.989	ug/l #	80
44) Trichloroethene	8.953	130	40157	22.581	ug/l	94
45) 1,2-Dichloropropane	9.233	63	28411	21.808	ug/l	100
46) Dibromomethane	9.319	93	15769	21.526	ug/l	96
47) Bromodichloromethane	9.514	83	42551	22.000	ug/l	99
48) Methyl methacrylate	9.307	41	14095	20.005	ug/l #	75
49) 1,4-Dioxane	9.313	88	2759	406.326	ug/l #	58
51) 4-Methyl-2-Pentanone	10.081	43	63896	97.594	ug/l #	83
52) Toluene	10.258	92	83943	22.633	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	38929	21.721	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	47893	22.052	ug/l #	84
55) 1,1,2-Trichloroethane	10.660	97	22970	21.730	ug/l	96
56) Ethyl methacrylate	10.526	69	18685	20.887	ug/l #	73
57) 1,3-Dichloropropane	10.806	76	36940	21.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.794	63	53115	96.018	ug/l #	86
59) 2-Hexanone	10.843	43	54044	104.502	ug/l	80
60) Dibromochloromethane	10.995	129	30350	21.966	ug/l	99
61) 1,2-Dibromoethane	11.105	107	21254	21.291	ug/l	99
64) Tetrachloroethene	10.733	164	40428	22.863	ug/l	98
65) Chlorobenzene	11.532	112	90295	22.693	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	34408	22.557	ug/l	99
67) Ethyl Benzene	11.605	91	158070	22.631	ug/l	97
68) m/p-Xylenes	11.715	106	124828	46.178	ug/l	91
69) o-Xylene	12.044	106	57342	23.107	ug/l	95
70) Styrene	12.056	104	82131	23.002	ug/l	97
71) Bromoform	12.221	173	17233	21.872	ug/l #	100
73) Isopropylbenzene	12.343	105	160560	22.718	ug/l	98
74) N-amyl acetate	12.154	43	19645	19.682	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.593	83	21860	20.836	ug/l	98
76) 1,2,3-Trichloropropane	12.641	75	14268m	18.234	ug/l	
77) Bromobenzene	12.623	156	36624	22.255	ug/l	86
78) n-propylbenzene	12.684	91	181630	22.463	ug/l	97
79) 2-Chlorotoluene	12.769	91	100861	22.427	ug/l	95
80) 1,3,5-Trimethylbenzene	12.824	105	128773	22.665	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.391	75	7384	20.580	ug/l	87
82) 4-Chlorotoluene	12.867	91	103653	22.448	ug/l	97
83) tert-Butylbenzene	13.086	119	115593	22.545	ug/l	97
84) 1,2,4-Trimethylbenzene	13.135	105	125187	22.632	ug/l	98
85) sec-Butylbenzene	13.263	105	163118	23.003	ug/l	98
86) p-Isopropyltoluene	13.379	119	141512	23.096	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	69529	22.375	ug/l	99
88) 1,4-Dichlorobenzene	13.458	146	68559	22.541	ug/l	100
89) n-Butylbenzene	13.708	91	121184	22.565	ug/l	96
90) Hexachloroethane	13.970	117	26211	21.926	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	58747	22.307	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3006	20.367	ug/l	79
93) 1,2,4-Trichlorobenzene	15.019	180	31326	21.505	ug/l	96
94) Hexachlorobutadiene	15.123	225	21464	23.533	ug/l	98
95) Naphthalene	15.251	128	49136	20.346	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	24829	21.427	ug/l	98

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

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