

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016037.D
 Acq On : 19 Oct 2023 14:48
 Operator : SY/MD
 Sample : VY1019SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1019SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 20 05:36:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	196306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	313567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	288717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146542	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	101689	45.577	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.160%
35) Dibromofluoromethane	7.722	113	95381	46.213	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.420%
50) Toluene-d8	10.178	98	366504	48.894	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.483	95	130740	48.881	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.760%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.905	85	29460	18.158	ug/l	99
3) Chloromethane	2.107	50	41587	20.300	ug/l	97
4) Vinyl Chloride	2.247	62	42853	18.638	ug/l	98
5) Bromomethane	2.649	94	29030	17.309	ug/l	98
6) Chloroethane	2.789	64	27089	18.323	ug/l	100
7) Trichlorofluoromethane	3.119	101	72577	20.742	ug/l	99
8) Diethyl Ether	3.521	74	24728	20.004	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	40468	20.106	ug/l	96
10) Methyl Iodide	4.088	142	46963	17.869	ug/l	96
11) Tert butyl alcohol	5.039	59	69266m	201.112	ug/l	
12) 1,1-Dichloroethene	3.869	96	37933	20.142	ug/l	90
13) Acrolein	3.734	56	34085	137.997	ug/l	89
14) Allyl chloride	4.478	41	60004	20.376	ug/l	94
15) Acrylonitrile	5.167	53	91012	123.410	ug/l	100
16) Acetone	3.966	43	91465	110.591	ug/l	95
17) Carbon Disulfide	4.186	76	108606	19.685	ug/l	97
18) Methyl Acetate	4.484	43	65277	22.931	ug/l #	89
19) Methyl tert-butyl Ether	5.228	73	117265	19.301	ug/l	99
20) Methylene Chloride	4.716	84	60707	24.708	ug/l	89
21) trans-1,2-Dichloroethene	5.216	96	44189	20.149	ug/l	97
22) Diisopropyl ether	6.118	45	128047	19.969	ug/l	92
23) Vinyl Acetate	6.063	43	380438	95.647	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	76887	20.212	ug/l	95
25) 2-Butanone	6.996	43	140165	123.728	ug/l	94
26) 2,2-Dichloropropane	6.984	77	63558	18.570	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	49706	19.680	ug/l	91
28) Bromochloromethane	7.337	49	31799	19.546	ug/l	95
29) Tetrahydrofuran	7.356	42	93214	135.937	ug/l	92
30) Chloroform	7.508	83	81403	19.958	ug/l	95
31) Cyclohexane	7.782	56	69132	19.796	ug/l	86
32) 1,1,1-Trichloroethane	7.703	97	73417	20.118	ug/l	98
36) 1,1-Dichloropropene	7.917	75	61772	19.893	ug/l	98
37) Ethyl Acetate	7.081	43	40547m	18.115	ug/l	
38) Carbon Tetrachloride	7.898	117	66227	20.067	ug/l	99
39) Methylcyclohexane	9.185	83	76269	19.654	ug/l	92
40) Benzene	8.160	78	177056	20.231	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	24038m	20.702	ug/l	
42) 1,2-Dichloroethane	8.240	62	55197	19.580	ug/l	94
43) Isopropyl Acetate	8.276	43	83238	21.270	ug/l	97
44) Trichloroethene	8.941	130	54509	22.214	ug/l	96
45) 1,2-Dichloropropane	9.215	63	44945	20.521	ug/l	100
46) Dibromomethane	9.307	93	30018	20.644	ug/l	96
47) Bromodichloromethane	9.496	83	63679	19.982	ug/l	99
48) Methyl methacrylate	9.294	41	38276	21.488	ug/l	88
49) 1,4-Dioxane	9.337	88	13899	600.303	ug/l #	42
51) 4-Methyl-2-Pentanone	10.075	43	396840	176.342	ug/l	91
52) Toluene	10.245	92	117314	20.667	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	72258	20.930	ug/l	97
54) cis-1,3-Dichloropropene	9.928	75	78600	20.886	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	46480	23.268	ug/l	97
56) Ethyl methacrylate	10.514	69	70697	24.216	ug/l	90
57) 1,3-Dichloropropane	10.794	76	77335	22.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	153308	109.330	ug/l #	86
59) 2-Hexanone	10.837	43	331915	193.858	ug/l	87
60) Dibromochloromethane	10.989	129	52260	21.632	ug/l	100
61) 1,2-Dibromoethane	11.087	107	48912	24.059	ug/l	99
64) Tetrachloroethene	10.721	164	52503	23.452	ug/l	99
65) Chlorobenzene	11.520	112	127184	20.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	48126	20.420	ug/l	98
67) Ethyl Benzene	11.593	91	221828	20.049	ug/l	96
68) m/p-Xylenes	11.703	106	175443	40.663	ug/l	94
69) o-Xylene	12.032	106	83334	20.303	ug/l	97
70) Styrene	12.044	104	143438	20.504	ug/l	95
71) Bromoform	12.209	173	39833	24.020	ug/l #	99
73) Isopropylbenzene	12.330	105	219347	20.010	ug/l	100
74) N-amyl acetate	12.148	43	87806	25.360	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.586	83	64620	23.537	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	53369m	25.721	ug/l	
77) Bromobenzene	12.611	156	54337	20.422	ug/l	91
78) n-propylbenzene	12.672	91	266057	20.151	ug/l	99
79) 2-Chlorotoluene	12.757	91	149743	20.205	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	183687	20.231	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	24625	25.907	ug/l	96
82) 4-Chlorotoluene	12.855	91	155065	20.048	ug/l	99
83) tert-Butylbenzene	13.074	119	157500	19.782	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	183916	20.398	ug/l	98
85) sec-Butylbenzene	13.251	105	241591	20.317	ug/l	100
86) p-Isopropyltoluene	13.373	119	200568	20.184	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	104557	20.197	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	106649	20.461	ug/l	99
89) n-Butylbenzene	13.696	91	186439	20.154	ug/l	97
90) Hexachloroethane	13.964	117	38473	20.310	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	98421	20.707	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.354	75	18659	35.703	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	61560	20.331	ug/l	99
94) Hexachlorobutadiene	15.110	225	33649	20.460	ug/l	96
95) Naphthalene	15.238	128	193812	26.079	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	58629	21.198	ug/l	98

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

