

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112823\
 Data File : VY016513.D
 Acq On : 28 Nov 2023 12:00
 Operator : SY/MD
 Sample : VY1128SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1128SBS01

Quant Time: Nov 29 03:04:59 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

Manual Integrations APPROVED

Reviewed By : John Carlone 11/29/2023
 Supervised By : Mahesh Dadoda 11/29/2023

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	144668	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.715	114	223246	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.513	117	192987	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	93048	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	63401	47.951	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.900%		
35) Dibromofluoromethane	7.746	113	74192	58.503	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	117.000%		
50) Toluene-d8	10.203	98	270503	52.599	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.200%		
62) 4-Bromofluorobenzene	12.501	95	91909	55.026	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	110.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	32240	22.760	ug/l	99
3) Chloromethane	2.131	50	32540	19.614	ug/l	99
4) Vinyl Chloride	2.271	62	34861	19.542	ug/l	92
5) Bromomethane	2.674	94	23113	19.715	ug/l	99
6) Chloroethane	2.814	64	22621	19.872	ug/l	98
7) Trichlorofluoromethane	3.149	101	59606	22.966	ug/l	100
8) Diethyl Ether	3.558	74	15868	20.457	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.936	101	33378	21.352	ug/l	98
10) Methyl Iodide	4.125	142	37754	22.362	ug/l	98
11) Tert butyl alcohol	4.984	59	8385	80.984	ug/l #	83
12) 1,1-Dichloroethene	3.899	96	31092	21.268	ug/l	81
13) Acrolein	3.759	56	7714	61.768	ug/l	98
14) Allyl chloride	4.515	41	36729	17.704	ug/l #	88
15) Acrylonitrile	5.198	53	28109	91.312	ug/l	99
16) Acetone	3.972	43	25097	114.750	ug/l #	89
17) Carbon Disulfide	4.228	76	88646	20.097	ug/l	97
18) Methyl Acetate	4.515	43	19922	17.142	ug/l #	84
19) Methyl tert-butyl Ether	5.258	73	69018	19.506	ug/l	95
20) Methylene Chloride	4.753	84	37887	22.615	ug/l #	80
21) trans-1,2-Dichloroethene	5.258	96	35950	21.358	ug/l	87
22) Diisopropyl ether	6.155	45	80520	18.010	ug/l #	89
23) Vinyl Acetate	6.094	43	184947	85.372	ug/l #	86
24) 1,1-Dichloroethane	6.057	63	55978	20.295	ug/l	98
25) 2-Butanone	7.020	43	36932	96.408	ug/l #	85
26) 2,2-Dichloropropane	7.014	77	53393	21.269	ug/l	95
27) cis-1,2-Dichloroethene	7.020	96	39201	21.610	ug/l	86
28) Bromochloromethane	7.368	49	18098	17.729	ug/l #	68
29) Tetrahydrofuran	7.374	42	20615	81.416	ug/l #	76
30) Chloroform	7.539	83	62500	21.770	ug/l	99
31) Cyclohexane	7.813	56	48246	18.533	ug/l #	83
32) 1,1,1-Trichloroethane	7.734	97	57809	21.966	ug/l	95
36) 1,1-Dichloropropene	7.947	75	47002	21.344	ug/l	97
37) Ethyl Acetate	7.112	43	14966	16.821	ug/l #	89
38) Carbon Tetrachloride	7.929	117	55044	24.085	ug/l	98
39) Methylcyclohexane	9.209	83	57118	20.816	ug/l	88
40) Benzene	8.185	78	136740	22.102	ug/l	99

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41) Methacrylonitrile	7.337	41	7647	17.045	ug/l #	85
42) 1,2-Dichloroethane	8.264	62	34169	21.315	ug/l	90
43) Isopropyl Acetate	8.295	43	29553	17.183	ug/l #	83
44) Trichloroethene	8.965	130	41289	23.221	ug/l	95
45) 1,2-Dichloropropane	9.239	63	31331	21.087	ug/l	100
46) Dibromomethane	9.331	93	17796	22.102	ug/l	98
47) Bromodichloromethane	9.520	83	46802	22.610	ug/l	97
48) Methyl methacrylate	9.313	41	16836	17.713	ug/l #	79
49) 1,4-Dioxane	9.319	88	3275	383.129	ug/l #	64
51) 4-Methyl-2-Pentanone	10.093	43	75553	86.873	ug/l #	85
52) Toluene	10.270	92	88418	22.608	ug/l	95
53) t-1,3-Dichloropropene	10.489	75	41975	20.917	ug/l	97
54) cis-1,3-Dichloropropene	9.953	75	51282	21.396	ug/l #	84
55) 1,1,2-Trichloroethane	10.666	97	24869	22.409	ug/l	96
56) Ethyl methacrylate	10.532	69	21153	20.192	ug/l #	74
57) 1,3-Dichloropropane	10.812	76	41546	21.962	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.806	63	63568	89.490	ug/l #	89
59) 2-Hexanone	10.855	43	61259	94.696	ug/l	81
60) Dibromochloromethane	11.007	129	32785	23.621	ug/l	99
61) 1,2-Dibromoethane	11.111	107	23242	21.983	ug/l	100
64) Tetrachloroethene	10.739	164	41508	23.954	ug/l	97
65) Chlorobenzene	11.538	112	95226	23.095	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.611	131	36970	24.310	ug/l	100
67) Ethyl Benzene	11.611	91	165442	22.327	ug/l	97
68) m/p-Xylenes	11.721	106	131255	46.700	ug/l	91
69) o-Xylene	12.050	106	60602	23.223	ug/l	93
70) Styrene	12.062	104	86138	23.053	ug/l	97
71) Bromoform	12.227	173	18371	23.281	ug/l #	98
73) Isopropylbenzene	12.349	105	164305	21.806	ug/l	99
74) N-amyl acetate	12.166	43	24094	15.920	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.605	83	24273	20.076	ug/l	97
76) 1,2,3-Trichloropropane	12.654	75	19483m	21.827	ug/l	
77) Bromobenzene	12.629	156	38090	22.367	ug/l	89
78) n-propylbenzene	12.690	91	191705	21.529	ug/l	97
79) 2-Chlorotoluene	12.775	91	107313	21.868	ug/l	97
80) 1,3,5-Trimethylbenzene	12.830	105	134256	22.100	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.397	75	8109	19.719	ug/l	88
82) 4-Chlorotoluene	12.873	91	107773	21.254	ug/l	96
83) tert-Butylbenzene	13.092	119	119728	22.375	ug/l	97
84) 1,2,4-Trimethylbenzene	13.141	105	132760	22.194	ug/l	97
85) sec-Butylbenzene	13.275	105	166755	21.814	ug/l	99
86) p-Isopropyltoluene	13.391	119	145335	22.079	ug/l	98
87) 1,3-Dichlorobenzene	13.385	146	73186	22.338	ug/l	99
88) 1,4-Dichlorobenzene	13.464	146	71574	22.354	ug/l	99
89) n-Butylbenzene	13.714	91	127088	20.906	ug/l	96
90) Hexachloroethane	13.983	117	27761	21.863	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	61963	22.071	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.379	75	3451	17.940	ug/l	85
93) 1,2,4-Trichlorobenzene	15.025	180	32368	19.752	ug/l	96
94) Hexachlorobutadiene	15.129	225	21894	23.320	ug/l	98
95) Naphthalene	15.257	128	53983	18.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	26630	19.647	ug/l	99

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

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