

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016151.D
 Acq On : 31 Oct 2023 17:13
 Operator : SY/MD
 Sample : VY1031SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBS01

Quant Time: Nov 01 03:38:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	176796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	245900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	117462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	83408	50.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.722	113	81533	48.842	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.680%			
50) Toluene-d8	10.185	98	336811	50.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.489	95	114045	50.392	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	21716	19.256	ug/l	99
3) Chloromethane	2.113	50	30469	19.513	ug/l	100
4) Vinyl Chloride	2.247	62	31427	19.501	ug/l	99
5) Bromomethane	2.643	94	22456	20.647	ug/l	98
6) Chloroethane	2.790	64	23143	20.398	ug/l	96
7) Trichlorofluoromethane	3.119	101	47558	19.547	ug/l	99
8) Diethyl Ether	3.521	74	16644	20.641	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	30002	19.574	ug/l	99
10) Methyl Iodide	4.082	142	33725	19.787	ug/l	97
11) Tert butyl alcohol	4.942	59	12795	103.516	ug/l #	79
12) 1,1-Dichloroethene	3.869	96	28007	20.020	ug/l	86
13) Acrolein	3.723	56	13581	115.049	ug/l	99
14) Allyl chloride	4.478	41	40992	20.486	ug/l #	96
15) Acrylonitrile	5.161	53	35534	103.125	ug/l	98
16) Acetone	3.948	43	29948	102.117	ug/l	96
17) Carbon Disulfide	4.192	76	68725	19.677	ug/l	99
18) Methyl Acetate	4.472	43	27396	20.592	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	82247	20.669	ug/l	96
20) Methylene Chloride	4.710	84	38713	21.256	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	32553	19.977	ug/l	95
22) Diisopropyl ether	6.118	45	99060	20.467	ug/l #	87
23) Vinyl Acetate	6.064	43	241871	101.785	ug/l #	90
24) 1,1-Dichloroethane	6.015	63	60183	20.777	ug/l	97
25) 2-Butanone	6.990	43	46195	101.213	ug/l #	87
26) 2,2-Dichloropropane	6.984	77	54666	19.964	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	40159	20.941	ug/l	92
28) Bromochloromethane	7.338	49	22033	20.327	ug/l	87
29) Tetrahydrofuran	7.350	42	30137	105.334	ug/l	92
30) Chloroform	7.508	83	65531	20.780	ug/l	95
31) Cyclohexane	7.789	56	49007	19.271	ug/l	85
32) 1,1,1-Trichloroethane	7.704	97	59169	20.459	ug/l	98
36) 1,1-Dichloropropene	7.923	75	48149	19.975	ug/l	100
37) Ethyl Acetate	7.076	43	21718	20.229	ug/l	95
38) Carbon Tetrachloride	7.905	117	48195	20.181	ug/l	97
39) Methylcyclohexane	9.191	83	56810	19.744	ug/l	91
40) Benzene	8.161	78	140087	20.243	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	14060m	22.562	ug/l	
42) 1,2-Dichloroethane	8.240	62	39431	20.418	ug/l	94
43) Isopropyl Acetate	8.277	43	42499	20.012	ug/l	92
44) Trichloroethene	8.947	130	41648	20.566	ug/l	99
45) 1,2-Dichloropropane	9.222	63	34532	20.743	ug/l	99
46) Dibromomethane	9.307	93	19338	20.477	ug/l	97
47) Bromodichloromethane	9.502	83	49183	20.498	ug/l	97
48) Methyl methacrylate	9.295	41	19290	19.975	ug/l	93
49) 1,4-Dioxane	9.301	88	4879	359.987	ug/l #	69
51) 4-Methyl-2-Pentanone	10.075	43	108051	101.969	ug/l	93
52) Toluene	10.252	92	91142	20.325	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	48921	20.424	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	56344	20.047	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	27748	20.889	ug/l	98
56) Ethyl methacrylate	10.514	69	34753	20.145	ug/l #	88
57) 1,3-Dichloropropane	10.794	76	46532	20.576	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	85287	101.952	ug/l	92
59) 2-Hexanone	10.837	43	72890	100.381	ug/l	90
60) Dibromochloromethane	10.990	129	34034	20.422	ug/l	98
61) 1,2-Dibromoethane	11.093	107	25771	20.396	ug/l	99
64) Tetrachloroethene	10.727	164	43561	19.916	ug/l	97
65) Chlorobenzene	11.520	112	99467	20.360	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	36841	20.360	ug/l	98
67) Ethyl Benzene	11.599	91	175743	20.112	ug/l	99
68) m/p-Xylenes	11.709	106	135863	40.237	ug/l	95
69) o-Xylene	12.038	106	65504	20.318	ug/l	97
70) Styrene	12.050	104	109429	20.418	ug/l	96
71) Bromoform	12.215	173	20221	20.143	ug/l #	98
73) Isopropylbenzene	12.337	105	175402	19.907	ug/l	99
74) N-amyl acetate	12.148	43	38094	19.895	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	28373	20.236	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	21919m	19.816	ug/l	
77) Bromobenzene	12.617	156	39884	19.991	ug/l	95
78) n-propylbenzene	12.678	91	208919	20.055	ug/l	99
79) 2-Chlorotoluene	12.764	91	115887	19.946	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	145384	20.366	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	10044	19.688	ug/l	95
82) 4-Chlorotoluene	12.861	91	120745	20.238	ug/l	99
83) tert-Butylbenzene	13.081	119	128824	20.169	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	143736	20.349	ug/l	100
85) sec-Butylbenzene	13.257	105	192490	20.533	ug/l	100
86) p-Isopropyltoluene	13.373	119	157199	20.232	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	79063	20.037	ug/l	98
88) 1,4-Dichlorobenzene	13.452	146	79109	20.285	ug/l	99
89) n-Butylbenzene	13.702	91	147101	20.605	ug/l	96
90) Hexachloroethane	13.965	117	27088	20.231	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	70318	20.626	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4928	19.640	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	44922	21.348	ug/l	99
94) Hexachlorobutadiene	15.117	225	24799	21.567	ug/l	98
95) Naphthalene	15.239	128	82736	20.239	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	37862	21.064	ug/l	99

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

