

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014905.D
 Acq On : 28 Jul 2023 13:43
 Operator : SY/MD
 Sample : VY0728SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0728SBS03

Quant Time: Jul 29 03:04:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	191447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	326177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	294921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	121242	55.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.140%
35) Dibromofluoromethane	7.709	113	107191	51.624	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.240%
50) Toluene-d8	10.172	98	385429	50.349	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.477	95	141489	48.203	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	27855	17.859	ug/l	98
3) Chloromethane	2.107	50	39510	22.535	ug/l	97
4) Vinyl Chloride	2.241	62	45148	23.041	ug/l	93
5) Bromomethane	2.613	94	33672	26.003	ug/l	96
6) Chloroethane	2.771	64	29000	23.693	ug/l	98
7) Trichlorofluoromethane	3.107	101	62777	19.075	ug/l	100
8) Diethyl Ether	3.521	74	23334	19.056	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.881	101	35393	17.546	ug/l	96
10) Methyl Iodide	4.076	142	28181	14.924	ug/l	96
11) Tert butyl alcohol	4.954	59	40196	77.092	ug/l #	83
12) 1,1-Dichloroethene	3.857	96	32916	17.460	ug/l	93
13) Acrolein	3.716	56	19259	84.461	ug/l	100
14) Allyl chloride	4.466	41	53954	16.118	ug/l	97
15) Acrylonitrile	5.149	53	69055	102.270	ug/l	99
16) Acetone	3.942	43	67398	97.491	ug/l	98
17) Carbon Disulfide	4.180	76	87722	16.252	ug/l	99
18) Methyl Acetate	4.466	43	56436	21.273	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	116758	19.065	ug/l	99
20) Methylene Chloride	4.698	84	59197	24.178	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	38310	17.906	ug/l	93
22) Diisopropyl ether	6.106	45	121925	17.916	ug/l	94
23) Vinyl Acetate	6.045	43	363197	89.180	ug/l	96
24) 1,1-Dichloroethane	6.002	63	70185	18.024	ug/l	95
25) 2-Butanone	6.978	43	105968	104.773	ug/l	93
26) 2,2-Dichloropropane	6.972	77	67602	18.216	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	46014	18.477	ug/l	97
28) Bromochloromethane	7.325	49	33796	20.152	ug/l	94
29) Tetrahydrofuran	7.338	42	64804	104.056	ug/l	92
30) Chloroform	7.496	83	74740	18.613	ug/l	98
31) Cyclohexane	7.777	56	57759	15.949	ug/l	87
32) 1,1,1-Trichloroethane	7.691	97	64119	17.742	ug/l	98
36) 1,1-Dichloropropene	7.911	75	52662	16.960	ug/l	99
37) Ethyl Acetate	7.063	43	42081	19.684	ug/l	97
38) Carbon Tetrachloride	7.886	117	56056	17.078	ug/l	99
39) Methylcyclohexane	9.173	83	63441	15.682	ug/l	94
40) Benzene	8.148	78	158495	17.947	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	21673	19.709	ug/l #	68
42) 1,2-Dichloroethane	8.228	62	53426	19.104	ug/l	95
43) Isopropyl Acetate	8.264	43	74134	18.204	ug/l	96
44) Trichloroethene	8.935	130	44789	18.127	ug/l	99
45) 1,2-Dichloropropane	9.209	63	39982	17.338	ug/l	97
46) Dibromomethane	9.301	93	26767	19.134	ug/l	94
47) Bromodichloromethane	9.490	83	58344	17.695	ug/l	95
48) Methyl methacrylate	9.288	41	33977	18.541	ug/l	94
49) 1,4-Dioxane	9.295	88	9445	414.053	ug/l #	59
51) 4-Methyl-2-Pentanone	10.063	43	212755	99.501	ug/l	95
52) Toluene	10.240	92	102079	18.064	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	61666	17.098	ug/l	100
54) cis-1,3-Dichloropropene	9.922	75	66600	16.981	ug/l	92
55) 1,1,2-Trichloroethane	10.636	97	37567	19.278	ug/l	97
56) Ethyl methacrylate	10.502	69	52371	17.602	ug/l	91
57) 1,3-Dichloropropane	10.782	76	61701	18.357	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	135522	97.756	ug/l	94
59) 2-Hexanone	10.825	43	156419	100.313	ug/l	93
60) Dibromochloromethane	10.977	129	42932	17.969	ug/l	99
61) 1,2-Dibromoethane	11.081	107	36808	18.934	ug/l	99
64) Tetrachloroethene	10.715	164	44493	18.758	ug/l	97
65) Chlorobenzene	11.508	112	111016	17.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	42246	17.828	ug/l	98
67) Ethyl Benzene	11.587	91	194469	17.138	ug/l	98
68) m/p-Xylenes	11.697	106	149275	34.463	ug/l	96
69) o-Xylene	12.026	106	73377	17.393	ug/l	98
70) Styrene	12.038	104	125316	17.624	ug/l	97
71) Bromoform	12.203	173	28181	17.545	ug/l #	99
73) Isopropylbenzene	12.325	105	190141	16.068	ug/l	100
74) N-amyl acetate	12.136	43	63794	16.097	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.574	83	47018	17.424	ug/l	99
76) 1,2,3-Trichloropropane	12.623	75	37908m	19.861	ug/l	
77) Bromobenzene	12.605	156	46373	17.168	ug/l	97
78) n-propylbenzene	12.666	91	228278	16.009	ug/l	99
79) 2-Chlorotoluene	12.751	91	131807	16.049	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	160724	16.264	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	14317	14.523	ug/l	99
82) 4-Chlorotoluene	12.849	91	136249	16.108	ug/l	98
83) tert-Butylbenzene	13.068	119	137668	15.704	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	159851	16.482	ug/l	99
85) sec-Butylbenzene	13.245	105	206196	16.034	ug/l	100
86) p-Isopropyltoluene	13.361	119	173622	16.536	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	92449	17.586	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	92209	17.503	ug/l	98
89) n-Butylbenzene	13.690	91	163350	15.991	ug/l	97
90) Hexachloroethane	13.952	117	32747	15.184	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	84668	17.579	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	9172	17.773	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	51463	16.832	ug/l	99
94) Hexachlorobutadiene	15.105	225	27786	16.537	ug/l	97
95) Naphthalene	15.226	128	123989	17.406	ug/l	98
96) 1,2,3-Trichlorobenzene	15.415	180	46150	16.984	ug/l	97

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

