

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015394.D
 Acq On : 31 Aug 2023 11:25
 Operator : SY/MD
 Sample : VY0831SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0831SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/01/2023
 Supervised By : Mahesh Dadoda 09/01/2023

Quant Time: Sep 01 00:44:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	156740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	266239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79958	47.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.180%		
35) Dibromofluoromethane	7.709	113	70808	46.175	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.340%		
50) Toluene-d8	10.178	98	246767	44.436	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.880%		
62) 4-Bromofluorobenzene	12.477	95	90788	44.038	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24438	17.936	ug/l	95
3) Chloromethane	2.107	50	37030	20.465	ug/l	99
4) Vinyl Chloride	2.247	62	39644	18.823	ug/l	97
5) Bromomethane	2.637	94	29623	19.767	ug/l	99
6) Chloroethane	2.783	64	27829	20.103	ug/l	93
7) Trichlorofluoromethane	3.113	101	56253	18.882	ug/l	96
8) Diethyl Ether	3.527	74	21694	21.308	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	31335	18.977	ug/l	95
10) Methyl Iodide	4.082	142	34219	17.647	ug/l	98
11) Tert butyl alcohol	4.923	59	65271	167.285	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	30430	19.530	ug/l	84
13) Acrolein	3.728	56	33727	80.533	ug/l	100
14) Allyl chloride	4.478	41	52000	20.961	ug/l	95
15) Acrylonitrile	5.161	53	71311	111.309	ug/l	99
16) Acetone	3.948	43	78038	111.273	ug/l	93
17) Carbon Disulfide	4.186	76	86450	18.559	ug/l	98
18) Methyl Acetate	4.478	43	57057	22.462	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	107634	21.255	ug/l	99
20) Methylene Chloride	4.710	84	54632	20.124	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	35164	19.599	ug/l	98
22) Diisopropyl ether	6.118	45	115533	21.294	ug/l	91
23) Vinyl Acetate	6.057	43	363509	106.115	ug/l	95
24) 1,1-Dichloroethane	6.008	63	65039	20.737	ug/l	98
25) 2-Butanone	6.984	43	114958	115.570	ug/l	97
26) 2,2-Dichloropropane	6.978	77	57792	21.695	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	42488	20.874	ug/l	98
28) Bromochloromethane	7.331	49	22394	23.283	ug/l	96
29) Tetrahydrofuran	7.350	42	69364	111.045	ug/l	95
30) Chloroform	7.502	83	69257	21.006	ug/l	96
31) Cyclohexane	7.783	56	52779	17.683	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	57673	19.584	ug/l	99
36) 1,1-Dichloropropene	7.917	75	49288	18.305	ug/l	99
37) Ethyl Acetate	7.069	43	43875	21.127	ug/l	96
38) Carbon Tetrachloride	7.898	117	50629	18.206	ug/l	99
39) Methylcyclohexane	9.179	83	58429	17.236	ug/l	93
40) Benzene	8.154	78	149602	19.914	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	21435m	22.011	ug/l	
42) 1,2-Dichloroethane	8.234	62	49585	19.794	ug/l	95
43) Isopropyl Acetate	8.270	43	74147	20.648	ug/l	97
44) Trichloroethene	8.935	130	41579	19.562	ug/l	94
45) 1,2-Dichloropropane	9.209	63	38307	20.228	ug/l	95
46) Dibromomethane	9.307	93	25379	20.175	ug/l	94
47) Bromodichloromethane	9.496	83	55068	20.470	ug/l	99
48) Methyl methacrylate	9.288	41	33109	20.095	ug/l	94
49) 1,4-Dioxane	9.307	88	9251	395.914	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	224248	107.440	ug/l	95
52) Toluene	10.239	92	94552	19.637	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	57103	19.973	ug/l	97
54) cis-1,3-Dichloropropene	9.928	75	62960	20.244	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	34554	20.386	ug/l	98
56) Ethyl methacrylate	10.508	69	50821	20.233	ug/l	92
57) 1,3-Dichloropropane	10.788	76	60730	20.814	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	98775	110.172	ug/l	96
59) 2-Hexanone	10.831	43	167875	107.191	ug/l	93
60) Dibromochloromethane	10.983	129	40245	20.286	ug/l	100
61) 1,2-Dibromoethane	11.087	107	35347	20.580	ug/l	99
64) Tetrachloroethene	10.715	164	43439	19.386	ug/l	96
65) Chlorobenzene	11.514	112	103345	19.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	38954	20.007	ug/l	98
67) Ethyl Benzene	11.593	91	181273	18.977	ug/l	99
68) m/p-Xylenes	11.703	106	139959	37.801	ug/l	97
69) o-Xylene	12.026	106	67522	19.082	ug/l	97
70) Styrene	12.044	104	115538	19.419	ug/l	96
71) Bromoform	12.209	173	26960	19.850	ug/l #	98
73) Isopropylbenzene	12.330	105	174676	18.579	ug/l	100
74) N-amyl acetate	12.142	43	62298	19.723	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.580	83	44977	20.040	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	35884m	21.619	ug/l	
77) Bromobenzene	12.611	156	43956	19.740	ug/l	97
78) n-propylbenzene	12.672	91	214704	18.873	ug/l	100
79) 2-Chlorotoluene	12.757	91	121828	19.092	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	147540	18.761	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	14323	19.035	ug/l	99
82) 4-Chlorotoluene	12.855	91	126243	19.036	ug/l	100
83) tert-Butylbenzene	13.074	119	126278	18.333	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	148191	18.979	ug/l	98
85) sec-Butylbenzene	13.251	105	190153	18.509	ug/l	100
86) p-Isopropyltoluene	13.367	119	160088	18.592	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	85993	19.561	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	85738	19.294	ug/l	98
89) n-Butylbenzene	13.696	91	150065	18.517	ug/l	97
90) Hexachloroethane	13.958	117	29010	18.838	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	79188	19.739	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8998	20.267	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	49191	19.524	ug/l	99
94) Hexachlorobutadiene	15.110	225	25686	18.697	ug/l	99
95) Naphthalene	15.232	128	124402	19.933	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	45519	19.807	ug/l	99

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

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