

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015287.D
 Acq On : 23 Aug 2023 17:44
 Operator : SY/MD
 Sample : VY0823SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0823SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/24/2023
 Supervised By :Semsettin Yesilyurt 08/24/2023

Quant Time: Aug 24 02:34:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	160878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	261094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	236318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	120043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102188	52.915	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.820%			
35) Dibromofluoromethane	7.710	113	90202	53.701	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.400%			
50) Toluene-d8	10.179	98	328454	52.529	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.060%			
62) 4-Bromofluorobenzene	12.477	95	116250	50.901	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	16239	20.615	ug/l	97
3) Chloromethane	2.107	50	18779	17.028	ug/l	95
4) Vinyl Chloride	2.241	62	24226	18.924	ug/l	98
5) Bromomethane	2.619	94	20559	20.825	ug/l	99
6) Chloroethane	2.777	64	18469	19.871	ug/l	99
7) Trichlorofluoromethane	3.107	101	45496	21.092	ug/l	100
8) Diethyl Ether	3.521	74	17294	20.443	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.881	101	28300	21.110	ug/l	96
10) Methyl Iodide	4.076	142	21658	16.452	ug/l	99
11) Tert butyl alcohol	4.936	59	60535	186.262	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	22252	19.878	ug/l	99
13) Acrolein	3.716	56	17670	114.883	ug/l	99
14) Allyl chloride	4.460	41	39992	20.150	ug/l	97
15) Acrylonitrile	5.149	53	65516	114.278	ug/l	100
16) Acetone	3.942	43	75053	118.964	ug/l	91
17) Carbon Disulfide	4.180	76	32288	16.389	ug/l	98
18) Methyl Acetate	4.466	43	52014	22.498	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	99065	20.812	ug/l	96
20) Methylene Chloride	4.704	84	52153	33.010	ug/l	88
21) trans-1,2-Dichloroethene	5.204	96	24947	19.757	ug/l	95
22) Diisopropyl ether	6.112	45	104524	21.105	ug/l	93
23) Vinyl Acetate	6.045	43	303516	102.709	ug/l	95
24) 1,1-Dichloroethane	6.003	63	56139	20.938	ug/l	98
25) 2-Butanone	6.978	43	105055	117.607	ug/l	96
26) 2,2-Dichloropropane	6.972	77	51896	20.078	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	35185	20.398	ug/l	97
28) Bromochloromethane	7.325	49	28445	23.091	ug/l	100
29) Tetrahydrofuran	7.344	42	59736	111.839	ug/l	94
30) Chloroform	7.496	83	63523	21.134	ug/l	99
31) Cyclohexane	7.777	56	37329	20.114	ug/l #	82
32) 1,1,1-Trichloroethane	7.697	97	52920	20.690	ug/l	99
36) 1,1-Dichloropropene	7.911	75	37515	20.188	ug/l	99
37) Ethyl Acetate	7.069	43	39712	22.926	ug/l	98
38) Carbon Tetrachloride	7.892	117	43941	19.980	ug/l	98
39) Methylcyclohexane	9.179	83	41610	19.974	ug/l	94
40) Benzene	8.155	78	116876	20.803	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	19656m	22.007	ug/l	
42) 1,2-Dichloroethane	8.234	62	43558	21.348	ug/l	94
43) Isopropyl Acetate	8.270	43	67866	21.515	ug/l	99
44) Trichloroethene	8.935	130	33968	20.986	ug/l	96
45) 1,2-Dichloropropane	9.209	63	33331	21.039	ug/l	98
46) Dibromomethane	9.301	93	21384	21.401	ug/l	95
47) Bromodichloromethane	9.496	83	49718	20.852	ug/l	99
48) Methyl methacrylate	9.289	41	30159	22.351	ug/l	94
49) 1,4-Dioxane	9.295	88	8674	434.119	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	210037	114.891	ug/l	95
52) Toluene	10.240	92	75775	20.463	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	49704	19.835	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	53134	20.134	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	33312	21.926	ug/l	97
56) Ethyl methacrylate	10.508	69	45120	20.292	ug/l	94
57) 1,3-Dichloropropane	10.788	76	54013	21.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	114337	110.496	ug/l	94
59) 2-Hexanone	10.831	43	157034	116.062	ug/l	94
60) Dibromochloromethane	10.983	129	37070	20.454	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30798	21.339	ug/l	97
64) Tetrachloroethene	10.715	164	35777	21.730	ug/l	98
65) Chlorobenzene	11.514	112	90254	20.961	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	34861	19.954	ug/l	97
67) Ethyl Benzene	11.593	91	153519	20.350	ug/l	96
68) m/p-Xylenes	11.697	106	117106	40.871	ug/l	95
69) o-Xylene	12.026	106	57981	20.313	ug/l	98
70) Styrene	12.044	104	100318	20.307	ug/l	97
71) Bromoform	12.209	173	24974	19.719	ug/l #	98
73) Isopropylbenzene	12.325	105	160212	20.755	ug/l	100
74) N-amyl acetate	12.142	43	57792	20.736	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	43597	21.686	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	32525m	22.301	ug/l	
77) Bromobenzene	12.605	156	38544	20.485	ug/l	94
78) n-propylbenzene	12.672	91	189865	20.713	ug/l	100
79) 2-Chlorotoluene	12.757	91	106934	20.222	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	130241	20.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	12967	19.529	ug/l	98
82) 4-Chlorotoluene	12.855	91	110588	20.243	ug/l	99
83) tert-Butylbenzene	13.074	119	118681	20.165	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	130490	20.295	ug/l	99
85) sec-Butylbenzene	13.251	105	177871	20.627	ug/l	99
86) p-Isopropyltoluene	13.367	119	147461	20.625	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	77572	20.786	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	78976	21.099	ug/l	99
89) n-Butylbenzene	13.696	91	140309	20.814	ug/l	97
90) Hexachloroethane	13.958	117	27314	19.258	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	72665	20.843	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8467	21.741	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	46198	20.640	ug/l	99
94) Hexachlorobutadiene	15.111	225	25518	20.960	ug/l	98
95) Naphthalene	15.233	128	115640	20.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	43262	21.402	ug/l	99

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

