

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015213.D
 Acq On : 21 Aug 2023 12:15
 Operator : SY/MD
 Sample : VY0821SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0821SBS01

Quant Time: Aug 22 01:51:18 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

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/22/2023
 Supervised By :Mahesh Dadoda 08/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	194016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111190	47.742	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.480%		
35) Dibromofluoromethane	7.710	113	99681	49.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.060%		
50) Toluene-d8	10.179	98	367389	48.545	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.080%		
62) 4-Bromofluorobenzene	12.477	95	132596	47.969	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	19543	20.561	ug/l	98
3) Chloromethane	2.113	50	22929	17.291	ug/l	95
4) Vinyl Chloride	2.247	62	29064	18.826	ug/l	97
5) Bromomethane	2.631	94	24773	20.805	ug/l	96
6) Chloroethane	2.784	64	21936	19.570	ug/l	98
7) Trichlorofluoromethane	3.113	101	51936	19.965	ug/l	100
8) Diethyl Ether	3.521	74	19730	19.339	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	33381	20.647	ug/l	95
10) Methyl Iodide	4.076	142	26239	16.528	ug/l	98
11) Tert butyl alcohol	4.942	59	46383	112.024	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	25761	19.082	ug/l	85
13) Acrolein	3.723	56	18233	87.157	ug/l	98
14) Allyl chloride	4.472	41	44297	18.507	ug/l	97
15) Acrylonitrile	5.155	53	59033	85.382	ug/l	99
16) Acetone	3.942	43	70295	92.391	ug/l	95
17) Carbon Disulfide	4.180	76	38042	16.012	ug/l	100
18) Methyl Acetate	4.472	43	44613	16.001	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	109130	19.011	ug/l	98
20) Methylene Chloride	4.704	84	55187	28.385	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	28843	18.941	ug/l	95
22) Diisopropyl ether	6.112	45	113417	18.990	ug/l	93
23) Vinyl Acetate	6.051	43	310803	87.211	ug/l	95
24) 1,1-Dichloroethane	6.009	63	62906	19.454	ug/l	97
25) 2-Butanone	6.978	43	92345	85.721	ug/l	94
26) 2,2-Dichloropropane	6.972	77	61873	19.849	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	41119	19.767	ug/l	95
28) Bromochloromethane	7.332	49	29793	20.055	ug/l	90
29) Tetrahydrofuran	7.344	42	51262	79.581	ug/l	91
30) Chloroform	7.496	83	72950	20.125	ug/l	99
31) Cyclohexane	7.777	56	42812	18.997	ug/l #	83
32) 1,1,1-Trichloroethane	7.698	97	61773	20.027	ug/l	99
36) 1,1-Dichloropropene	7.911	75	44180	19.643	ug/l	99
37) Ethyl Acetate	7.070	43	33902	16.171	ug/l #	97
38) Carbon Tetrachloride	7.893	117	53761	20.197	ug/l	91
39) Methylcyclohexane	9.179	83	47976	19.028	ug/l	93
40) Benzene	8.155	78	132727	19.519	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	17419m	16.113	ug/l	
42) 1,2-Dichloroethane	8.234	62	48017	19.443	ug/l	97
43) Isopropyl Acetate	8.271	43	66134	17.322	ug/l	97
44) Trichloroethene	8.935	130	39435	20.130	ug/l	98
45) 1,2-Dichloropropane	9.216	63	37376	19.492	ug/l	98
46) Dibromomethane	9.301	93	23664	19.567	ug/l	96
47) Bromodichloromethane	9.496	83	57562	19.946	ug/l	98
48) Methyl methacrylate	9.289	41	29286	17.932	ug/l	96
49) 1,4-Dioxane	9.289	88	8120	335.768	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	187366	84.679	ug/l	94
52) Toluene	10.240	92	89575	19.986	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	57211	18.864	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	61041	19.110	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	34872	18.964	ug/l	97
56) Ethyl methacrylate	10.508	69	48155	17.894	ug/l	91
57) 1,3-Dichloropropane	10.788	76	57349	19.089	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	118084	94.286	ug/l	93
59) 2-Hexanone	10.831	43	140968	86.082	ug/l	94
60) Dibromochloromethane	10.983	129	42914	19.564	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32622	18.674	ug/l	96
64) Tetrachloroethene	10.715	164	43494	21.859	ug/l	97
65) Chlorobenzene	11.514	112	104818	20.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	42602	20.177	ug/l	99
67) Ethyl Benzene	11.593	91	179184	19.653	ug/l	98
68) m/p-Xylenes	11.703	106	137904	39.825	ug/l	95
69) o-Xylene	12.026	106	67097	19.451	ug/l	99
70) Styrene	12.044	104	117969	19.759	ug/l	98
71) Bromoform	12.209	173	27760	18.137	ug/l #	97
73) Isopropylbenzene	12.325	105	188844	20.026	ug/l	100
74) N-amyl acetate	12.142	43	58054	17.051	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	42497	17.303	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	32159m	18.050	ug/l	
77) Bromobenzene	12.605	156	45891	19.965	ug/l	98
78) n-propylbenzene	12.672	91	221107	19.745	ug/l	99
79) 2-Chlorotoluene	12.751	91	127903	19.799	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	156611	19.923	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	13798	17.010	ug/l	100
82) 4-Chlorotoluene	12.855	91	132914	19.915	ug/l	98
83) tert-Butylbenzene	13.075	119	144234	20.060	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	157869	20.098	ug/l	99
85) sec-Butylbenzene	13.251	105	211861	20.111	ug/l	99
86) p-Isopropyltoluene	13.367	119	179676	20.571	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	91742	20.122	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	93310	20.405	ug/l	98
89) n-Butylbenzene	13.696	91	167215	20.305	ug/l	97
90) Hexachloroethane	13.959	117	33833	19.526	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	85787	20.142	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8382	17.618	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	55441	20.276	ug/l	99
94) Hexachlorobutadiene	15.111	225	31640	21.273	ug/l	97
95) Naphthalene	15.233	128	122071	17.921	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	49281	19.957	ug/l	97

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

