

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061520\
 Data File : VY002894.D
 Acq On : 15 Jun 2020 11:13
 Operator : SY/MD
 Sample : VY0615SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0615SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/16/2020 3:22:41 PM

Quant Time: Jun 16 02:13:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	268056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	394689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	365961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	204673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	113449	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	7.72	113	115897	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.18	98	445291	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.48	95	159428	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	40899	22.174	ug/l	96
3) Chloromethane	2.12	50	43782	21.460	ug/l	96
4) Vinyl Chloride	2.26	62	48426	22.457	ug/l	97
5) Bromomethane	2.65	94	34940	21.622	ug/l	98
6) Chloroethane	2.80	64	30285	21.665	ug/l	98
7) Trichlorofluoromethane	3.13	101	86169	22.563	ug/l	96
8) Diethyl Ether	3.54	74	30037	20.142	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	51096	22.534	ug/l	97
10) Methyl Iodide	4.10	142	65502	20.644	ug/l	98
11) Tert butyl alcohol	4.97	59	27575	102.708	ug/l	98
12) 1,1-Dichloroethene	3.88	96	50787	22.271	ug/l	97
13) Acrolein	3.74	56	19515	71.548	ug/l	98
14) Allyl chloride	4.49	41	71330	21.809	ug/l	98
15) Acrylonitrile	5.17	53	75705	112.530	ug/l	100
16) Acetone	3.96	43	62507	114.531	ug/l	100
17) Carbon Disulfide	4.20	76	139086	20.184	ug/l	100
18) Methyl Acetate	4.49	43	35836	25.698	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	141305	22.446	ug/l	99
20) Methylene Chloride	4.72	84	60691	22.755	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	55969	21.824	ug/l	98
22) Diisopropyl ether	6.13	45	150891	22.201	ug/l	98
23) Vinyl Acetate	6.07	43	489642	109.119	ug/l	99
24) 1,1-Dichloroethane	6.03	63	89202	22.436	ug/l	97
25) 2-Butanone	7.00	43	92221	108.457	ug/l	99
26) 2,2-Dichloropropane	6.99	77	83484	21.894	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	62925	21.918	ug/l	98
28) Bromochloromethane	7.34	49	36852	22.579	ug/l	95
29) Tetrahydrofuran	7.35	42	60332	109.082	ug/l	97
30) Chloroform	7.52	83	95295	22.588	ug/l	94
31) Cyclohexane	7.79	56	80779	20.464	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	89004	22.639	ug/l	100
36) 1,1-Dichloropropene	7.92	75	71178	21.409	ug/l	98
37) Ethyl Acetate	7.08	43	40908	22.615	ug/l	99
38) Carbon Tetrachloride	7.91	117	82470	22.329	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	91332	20.841	ug/l	98
40) Benzene	8.17	78	217466	22.136	ug/l	99
41) Methacrylonitrile	7.32	41	20208m	20.794	ug/l	
42) 1,2-Dichloroethane	8.24	62	61772	22.436	ug/l	99
43) Isopropyl Acetate	8.28	43	75812	22.116	ug/l	98
44) Trichloroethene	8.94	130	67543	21.766	ug/l	99
45) 1,2-Dichloropropane	9.22	63	52664	22.354	ug/l	99
46) Dibromomethane	9.31	93	31737	22.683	ug/l	98
47) Bromodichloromethane	9.50	83	75522	22.896	ug/l	98
48) Methyl methacrylate	9.30	41	33929	21.926	ug/l	99
49) 1,4-Dioxane	9.31	88	9006	419.209	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	205403	113.159	ug/l	100
52) Toluene	10.25	92	141413	22.004	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	80258	22.277	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	91623	22.444	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	48598	22.688	ug/l	95
56) Ethyl methacrylate	10.51	69	64550	22.499	ug/l	98
57) 1,3-Dichloropropane	10.79	76	78593	22.307	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	152311	108.646	ug/l	99
59) 2-Hexanone	10.83	43	145252	112.781	ug/l	99
60) Dibromochloromethane	10.99	129	61480	22.639	ug/l	99
61) 1,2-Dibromoethane	11.09	107	47145	22.312	ug/l	100
64) Tetrachloroethene	10.72	164	72489	21.794	ug/l	100
65) Chlorobenzene	11.52	112	160905	22.245	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	62050	22.777	ug/l	99
67) Ethyl Benzene	11.60	91	278929	22.244	ug/l	99
68) m/p-Xylenes	11.70	106	219030	45.051	ug/l	100
69) o-Xylene	12.03	106	103718	22.598	ug/l	99
70) Styrene	12.05	104	180404	22.674	ug/l	100
71) Bromoform	12.21	173	42391	23.256	ug/l #	98
73) Isopropylbenzene	12.33	105	286870	21.871	ug/l	100
74) N-amyl acetate	12.14	43	72331	21.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	52243	22.701	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	42250m	22.909	ug/l	
77) Bromobenzene	12.61	156	73712	21.583	ug/l	99
78) n-propylbenzene	12.67	91	329442	21.744	ug/l	100
79) 2-Chlorotoluene	12.76	91	184138	21.666	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	242191	22.115	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	21906	22.378	ug/l	98
82) 4-Chlorotoluene	12.86	91	195528	21.959	ug/l	100
83) tert-Butylbenzene	13.08	119	213317	21.836	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	243516	22.114	ug/l	99
85) sec-Butylbenzene	13.25	105	294040	22.014	ug/l	99
86) p-Isopropyltoluene	13.37	119	274308	22.071	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	142880	22.086	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	143683	22.203	ug/l	99
89) n-Butylbenzene	13.70	91	248476	22.020	ug/l	99
90) Hexachloroethane	13.96	117	51840	22.280	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	130469	22.238	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10072	22.748	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	98657	22.309	ug/l	100
94) Hexachlorobutadiene	15.11	225	56840	22.662	ug/l	100
95) Naphthalene	15.23	128	193416	21.814	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	88015	22.288	ug/l	99

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

