

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002620.D
 Acq On : 07 May 2020 11:03
 Operator : SY/MD
 Sample : VY0507SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 1:23:42 PM

Quant Time: May 07 12:51:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	358857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	529144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	474520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	246739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	155589	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.74	113	167327	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
50) Toluene-d8	10.19	98	654708	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
62) 4-Bromofluorobenzene	12.49	95	221471	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	45741	16.660	ug/l	99
3) Chloromethane	2.12	50	55588	19.120	ug/l	97
4) Vinyl Chloride	2.26	62	63820	19.010	ug/l	100
5) Bromomethane	2.65	94	44496	19.219	ug/l	95
6) Chloroethane	2.80	64	38419	19.166	ug/l	98
7) Trichlorofluoromethane	3.13	101	98215	18.876	ug/l	95
8) Diethyl Ether	3.54	74	34227	19.575	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	61834	19.445	ug/l	97
10) Methyl Iodide	4.11	142	77169	17.812	ug/l	100
11) Tert butyl alcohol	4.98	59	27880	89.810	ug/l	99
12) 1,1-Dichloroethene	3.89	96	59813	19.362	ug/l	98
13) Acrolein	3.74	56	16943	78.928	ug/l	96
14) Allyl chloride	4.50	41	90191	20.038	ug/l	97
15) Acrylonitrile	5.19	53	82390	99.920	ug/l	99
16) Acetone	3.96	43	56516	90.758	ug/l	98
17) Carbon Disulfide	4.21	76	164945	17.748	ug/l	100
18) Methyl Acetate	4.49	43	39817	19.137	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	160305	19.890	ug/l	96
20) Methylene Chloride	4.74	84	69809	20.047	ug/l	100
21) trans-1,2-Dichloroethene	5.24	96	67478	19.985	ug/l	95
22) Diisopropyl ether	6.13	45	191106	20.984	ug/l	98
23) Vinyl Acetate	6.08	43	571468	99.775	ug/l	99
24) 1,1-Dichloroethane	6.04	63	110137	20.442	ug/l	99
25) 2-Butanone	7.00	43	96515	94.684	ug/l	100
26) 2,2-Dichloropropane	7.00	77	101910	19.899	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	75453	20.196	ug/l	99
28) Bromochloromethane	7.35	49	46094	20.881	ug/l	97
29) Tetrahydrofuran	7.36	42	67049	99.418	ug/l	99
30) Chloroform	7.53	83	113240	20.214	ug/l	98
31) Cyclohexane	7.80	56	103340	19.055	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	103908	19.955	ug/l	100
36) 1,1-Dichloropropene	7.93	75	88235	19.891	ug/l	99
37) Ethyl Acetate	7.09	43	45267	19.858	ug/l	99
38) Carbon Tetrachloride	7.91	117	96856	20.000	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	115288	19.677	ug/l	98
40) Benzene	8.18	78	258118	20.147	ug/l	100
41) Methacrylonitrile	7.33	41	25034m	20.426	ug/l	
42) 1,2-Dichloroethane	8.25	62	68790	19.142	ug/l	99
43) Isopropyl Acetate	8.28	43	85658	20.045	ug/l	100
44) Trichloroethene	8.95	130	83099	20.755	ug/l	99
45) 1,2-Dichloropropane	9.22	63	63763	20.622	ug/l	98
46) Dibromomethane	9.32	93	35127	19.745	ug/l	99
47) Bromodichloromethane	9.51	83	87319	20.186	ug/l	97
48) Methyl methacrylate	9.30	41	38634	19.976	ug/l	99
49) 1,4-Dioxane	9.30	88	9427	400.211	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	227165	103.132	ug/l	100
52) Toluene	10.25	92	167856	20.386	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	91528	20.194	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	106981	20.418	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	54035	20.828	ug/l	99
56) Ethyl methacrylate	10.52	69	69724	20.202	ug/l	98
57) 1,3-Dichloropropane	10.80	76	88414	20.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	194745	107.000	ug/l	98
59) 2-Hexanone	10.84	43	154452	101.880	ug/l	100
60) Dibromochloromethane	10.99	129	66480	20.148	ug/l	100
61) 1,2-Dibromoethane	11.10	107	50589	19.693	ug/l	99
64) Tetrachloroethene	10.73	164	93134	22.090	ug/l	99
65) Chlorobenzene	11.52	112	186170	20.638	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	70086	20.931	ug/l	99
67) Ethyl Benzene	11.60	91	327881	20.693	ug/l	100
68) m/p-Xylenes	11.71	106	254762	41.554	ug/l	100
69) o-Xylene	12.03	106	120024	20.908	ug/l	99
70) Styrene	12.05	104	206451	21.037	ug/l	99
71) Bromoform	12.22	173	42970	20.676	ug/l #	99
73) Isopropylbenzene	12.34	105	330465	20.666	ug/l	99
74) N-amyl acetate	12.15	43	78245	20.341	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	48732	19.162	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	44368m	20.235	ug/l	
77) Bromobenzene	12.61	156	81856	20.489	ug/l	99
78) n-propylbenzene	12.68	91	386948	20.852	ug/l	100
79) 2-Chlorotoluene	12.77	91	212126	20.636	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	275528	20.786	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	21635	19.785	ug/l	94
82) 4-Chlorotoluene	12.86	91	224006	20.746	ug/l	99
83) tert-Butylbenzene	13.08	119	241627	20.789	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	274759	20.799	ug/l	99
85) sec-Butylbenzene	13.26	105	342389	21.230	ug/l	100
86) p-Isopropyltoluene	13.38	119	317370	21.002	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	158639	20.980	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	157134	20.986	ug/l	99
89) n-Butylbenzene	13.70	91	291831	21.214	ug/l	100
90) Hexachloroethane	13.97	117	58042	21.091	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	141102	20.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9079	19.151	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	104776	21.389	ug/l	99
94) Hexachlorobutadiene	15.13	225	64045	21.781	ug/l	98
95) Naphthalene	15.25	128	180113	20.155	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	86057	20.694	ug/l	99

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

