

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001624.D
 Acq On : 13 Feb 2020 12:27
 Operator : SY/MD
 Sample : VY0213SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 5:06:07 PM

Quant Time: Feb 14 06:45:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	181490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	316837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	279970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136371	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	95742	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.74	113	89681	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.19	98	369426	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.49	95	133143	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31998	18.011	ug/l	100
3) Chloromethane	2.12	50	43914	23.650	ug/l	97
4) Vinyl Chloride	2.26	62	44390	23.024	ug/l	93
5) Bromomethane	2.66	94	31074	25.627	ug/l	98
6) Chloroethane	2.80	64	28344	24.389	ug/l	91
7) Trichlorofluoromethane	3.14	101	61350	19.224	ug/l	100
8) Diethyl Ether	3.55	74	23374	21.704	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36953	19.244	ug/l	99
10) Methyl Iodide	4.11	142	43366	17.724	ug/l	99
11) Tert butyl alcohol	4.97	59	26457	109.786	ug/l	96
12) 1,1-Dichloroethene	3.89	96	38076	19.955	ug/l	98
13) Acrolein	3.75	56	15553	89.887	ug/l	94
14) Allyl chloride	4.50	41	68119	23.336	ug/l	96
15) Acrylonitrile	5.19	53	60645	122.837	ug/l	99
16) Acetone	3.97	43	57966	109.664	ug/l	97
17) Carbon Disulfide	4.21	76	118056	19.435	ug/l	99
18) Methyl Acetate	4.50	43	30869	27.367	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	105000	20.692	ug/l	96
20) Methylene Chloride	4.74	84	50966	21.976	ug/l	90
21) trans-1,2-Dichloroethene	5.24	96	42693	20.126	ug/l	95
22) Diisopropyl ether	6.14	45	136623	23.624	ug/l	91
23) Vinyl Acetate	6.09	43	442834	120.286	ug/l	96
24) 1,1-Dichloroethane	6.04	63	73197	21.042	ug/l	96
25) 2-Butanone	7.01	43	85636	124.880	ug/l	96
26) 2,2-Dichloropropane	7.00	77	66288	19.911	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	47650	20.567	ug/l	96
28) Bromochloromethane	7.36	49	26274	22.172	ug/l	89
29) Tetrahydrofuran	7.37	42	53270	129.605	ug/l	93
30) Chloroform	7.53	83	71138	20.189	ug/l	100
31) Cyclohexane	7.81	56	74466	20.928	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	61889	19.373	ug/l	96
36) 1,1-Dichloropropene	7.94	75	58990	20.352	ug/l	99
37) Ethyl Acetate	7.10	43	35637	25.398	ug/l	96
38) Carbon Tetrachloride	7.92	117	53576	19.105	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	76230	19.974	ug/l	95
40) Benzene	8.18	78	174474	21.104	ug/l	97
41) Methacrylonitrile	7.33	41	16644m	25.594	ug/l	
42) 1,2-Dichloroethane	8.26	62	48520	21.066	ug/l	98
43) Isopropyl Acetate	8.29	43	68556	24.677	ug/l	93
44) Trichloroethene	8.96	130	43483	19.513	ug/l	85
45) 1,2-Dichloropropane	9.23	63	43997	22.039	ug/l	96
46) Dibromomethane	9.32	93	23036	20.549	ug/l	99
47) Bromodichloromethane	9.52	83	54519	19.960	ug/l	93
48) Methyl methacrylate	9.31	41	30023	23.811	ug/l	94
49) 1,4-Dioxane	9.32	88	6237	421.288	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	177836	129.983	ug/l	94
52) Toluene	10.26	92	108924	20.765	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	59981	20.162	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	69274	20.283	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	34237	21.287	ug/l	99
56) Ethyl methacrylate	10.52	69	50099	21.900	ug/l	90
57) 1,3-Dichloropropane	10.80	76	59391	20.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	88453	105.106	ug/l	96
59) 2-Hexanone	10.85	43	125669	126.330	ug/l	96
60) Dibromochloromethane	11.00	129	37371	19.712	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32584	20.569	ug/l	98
64) Tetrachloroethene	10.74	164	35975	19.593	ug/l	97
65) Chlorobenzene	11.53	112	112286	20.426	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	38795	20.164	ug/l	98
67) Ethyl Benzene	11.61	91	206870	20.353	ug/l	99
68) m/p-Xylenes	11.72	106	154849	40.583	ug/l	99
69) o-Xylene	12.04	106	75315	20.935	ug/l	98
70) Styrene	12.06	104	128854	20.711	ug/l	98
71) Bromoform	12.22	173	20964	19.568	ug/l #	97
73) Isopropylbenzene	12.35	105	197827	19.020	ug/l	99
74) N-amyl acetate	12.16	43	62266	23.039	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	42231	21.371	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	32006m	21.824	ug/l	
77) Bromobenzene	12.62	156	43753	19.438	ug/l	96
78) n-propylbenzene	12.69	91	240318	19.300	ug/l	100
79) 2-Chlorotoluene	12.77	91	135382	19.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	165511	18.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14702	19.398	ug/l	93
82) 4-Chlorotoluene	12.87	91	143056	19.224	ug/l	100
83) tert-Butylbenzene	13.09	119	137508	18.572	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	165787	19.123	ug/l	99
85) sec-Butylbenzene	13.27	105	201063	19.315	ug/l	99
86) p-Isopropyltoluene	13.38	119	176916	19.286	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	84435	19.574	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	85039	19.678	ug/l	99
89) n-Butylbenzene	13.71	91	178270	19.696	ug/l	99
90) Hexachloroethane	13.97	117	32866	18.667	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	78815	20.162	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.38	75	7286	19.973	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	49681	18.859	ug/l	96
94) Hexachlorobutadiene	15.13	225	25486	19.062	ug/l	98
95) Naphthalene	15.25	128	117014	18.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	44660	19.206	ug/l	98

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

